NOKIA SP55A1

MODEL

SERVICE MANUAL

MC-Service

ELECTRICAL SPECIFICATIONS

Aerial Input Impedance ....75 ohm unbalanced
Convergence ....Self Converging System
Focus.......................................Bipotential electrostatic
Audio Power Output Rating ....20+20W (M.P.O.)
Picture IF Carrier Frequency ....38.9 MHz
a) Sound IF Carrier Frequency ....33.4 MHz
b) Sound IF Carrier Frequency ....33.16 MHz
Colour Sub-Carrier Frequency ....34.47 MHz
(Nominal)

Power Input ....220/240 Volts AC 50 Hz
Power Consumption at Stand-by.............................3W
Power Consumption ....110 Wh
Speakers Size 13cmX6cm
Speaker Coil Impedance ....8 ohm
Sweep Deflection ....Magnetic
Field Scan ....100 Hz
Tuning Ranges ....48.25 MHz + 855.5 MHz
CATV Special channel?

Specifications are subject to change without prior notice.

WARNING

The chassis in this receiver is partially hot. Use an isolation transformer between the line cord plug and power receptacle, when servicing this chassis.
To prevent electric shock, do not remove cover. No user-serviceable parts inside. Refer servicing to qualified service personnel.

IMPORTANT SERVICE NOTES

Maintenance and repair of this receiver should be carried out by qualified service personnel only.

SERVICING OF HIGH VOLTAGE SYSTEM AND PICTURE TUBE

When servicing the high voltage system, remove static charge from it by connecting a 10 k ohm resistor in series with an insulated wire (such as test probe) between picture tube ground tag and high voltage lead. (AC line cord should be disconnected from AC outlet).

1. Picture tube in this receiver employs integral implosion protection.
2. Replace with tube of the same type number for continued safety.
3. Do not lift picture tube by the neck.
4. Handle the picture tube only when wearing shatterproof goggles and after discharging the high voltage completely.

X-RAY

This receiver is designed so that any X-Ray radiation is kept to an absolute minimun. Since certain malfunctions ar servicing may produce potentially hazardous radiation with prolonged exposure at close range, the following precautions should be observed.

1. When repairing the circuit, be sure not to increase the high voltage to more than 30.0 kV (at beam 1000 uA) for the set.
2. To keep the set in a normal operation, be sure to make it function on 23.5kV ± 1.5kV (at beamlOOO *tiA)* in the case of the set. The set has been factory adjusted to the above mentioned high voltage. If there is a possibility that high voltage fluctuates as result of the repairs, never forget to check for such high voltage after the work.
3. Do not substitute a picture tube with unauthorized types or brands which may cause excess X-Ray radiation.

BEFORE RETURNING THE RECEIVER

jn addition to the checks necessary as a result of a repair having been carried out, the following additional safety checks should also be made before returning the units to the user.

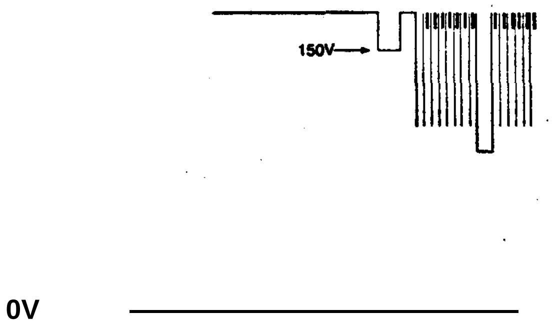
1. Inspect all lead insulation to make certain that leads are not pinched or that harware is not lodged between the chassis and other metal parts in the receiver.
2. Inspect all protective devices such as non-metallic control knobs, insulating fishpapers, cabinet backs, adjustament and compartament covers or shields, insolation resistor-capacity networks, mechanical insulators, etc.

SERVICE ADJUSTMENTS

All the adjustments required for this chasis will be done in Service Mode, except G2, IF PLL (AFT) and RF AGC.

• G2 ADJUSTMENT

1. Receive cross hatch pattern signal.
2. Set contrast to 80/100 and brightness **to 40/100.**
3. Connect the oscilloscope to the red cathode and adjust G2 to read 150V on the sensor pulse as in below drawing:



Osciloscope should be adjustated for vertical TV field trigger and synchronized with video signal.

- IF PLL ADJUSTMENT (AFT)

1. **Disconnect antenna Signal**
2. Connect the output of SSG (Standard Signal Generator) to the tuner IF output terminal.
   - •SSG output: 38.9 MHz (CW) ± 5 kHz
   - • SSG output level: approx. 90 dBpV
   - • Probe: Direct
3. Connect the digital voltmeter to pin 11 of 1C 201.
4. Adjust the AFT coil (L 205) to obtain 4.5VDC on voltmeter.

• RF AGC ADJUSTMENT

1. Receive "COLOUR BAR" signal (UHF).
   - • signal strength: 57 dBuV
2. Connect DC voltmeter to Test Point J91 (RF AGC).
3. Set AGC control (R224) to maximum position (memory).
4. Adjust R224 to obtain voltage of 0.1V below maximum voltage (step 3).

• SERVICE MODE FUNCTION

This mode function is provided to assist with the settings of those adjustment that may vary from one Picture Tube to another, or between models.

In order to use the Service Mode

1. Connect Test Pattern signal to antenna terminal.
   Set to full mode screen by wide button
2. Press main switch to "OFF".
3. Press volume-down and channel-up buttons and main switch to "ON" simultaneously.
4. Service mode is now entered.

The required adjustments can then be made from the Remote Control Unit.
The only buttons required are the following:
Up/Down-channel for movement in adjustment options menu; Up/Down-volume are used to carry out an adjustment in said menu; ON/OFF is used to memorize a new adjustment.

Adjustment menu is as follows:

- -SERVICE SOFTWARE
- -HORIZONTAL SHIFT
- -EAST WEST WIDTH
- -PIN PHASE
- -PIN AMP
- -UPPER CORNER CORRECTION
- -LOWER CORNER CORRECTION
- -VERTICAL LINEARITY
- -VERTICAL ANGLE
- -VERTICAL BOW
- -VERTICAL AMPLITUDE
- -S CORRECTION
- -VERTICAL SHIFT
- -RED GAIN
- -GREEN GAIN
- -BLUE GAIN
- -RED CUT OFF
- -GREEN CUT OFF
- -BLUE CUT OFF
- -ALTER NVM PAG
- -ALTER NVM POS
- -ALTER NVM VAL
- -TELETEXT MIX MODE CONTRAST
- -TELETEXT CONTRAST
- -OSD CONTRAST
- -DVCO ADJUSTMENT (ONLY PAL)
- -DVCO ADJUSTMENT (ONLY NTSC)
- -LUMA CHROMA DELAY
- -OPC VALUE
- -AUTOINSTALLATION ON/OF

To exit service mode, press main switch to off.

Adjustment Note:

The procedure for making adjustments to horizontal corrections is as follows:

- -Adjust HORIZONTAL SHIFT
- -Adjust E-W WIDTH
- -Adjust PIN PHASE
- -Adjust PIN AMPLITUDE
- -Adjust UPPER CORNER CORRECTION
- -Adjust LOWER CORNER CORRECTION

The procedure for making adjustments to vertical corrections is as follows:

- -Adjust VERTICAL AMPLITUDE
- -Adjust S-CORRECTION
- -Adjust VERTICAL SHIFT
- -Adjust VERTICAL LINEARITY
- -Adjust VERTICAL ANGLE
- -Adjust VERTICAL BOW

1-HORIZONTAL SHIFT

a) Receive Philips pattern signal.
b) When volume-up button is pressed, picture moves to the left.
c) When volume-down button in pressed, picture moves to the right.
d) Adjust the horizontal location to obtain picture centering (fig. 1).

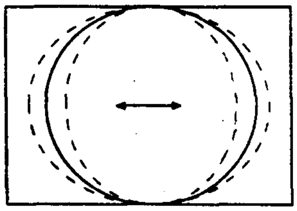


Fig. 1

2- E-W WIDTH

a) Receive Philips pattern signal.
b) When volume-up button is pressed, horizontal scanning increases.
c) When volume-down button is pressed, horizontal scanning decreases.
d) Adjust the horizontal amplitude to obtain 8% overscan (fig. 2).

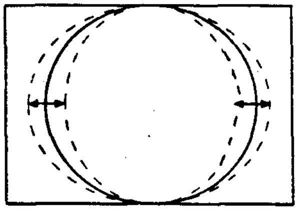


Fig. 2

3-PIN PHASE

a) Receive Philips pattern signal.
b) When volume-up button is pressed, slide pincushion changes.
c) When volume-down button is pressed, slide pincushion changes.
d) Adjust the PIN PHASE to obtain condition as in (fig. 3).

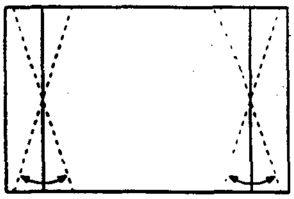


Fig. 3

4-PIN AMPLITUDE

a) Receive Philips pattern signal.
b) When volume-up button is pressed, slide pincushion changes from pincushion to barrel shape.
c) When volume-down button is pressed, slide pincushion changes from barrel to pincushion shape.
d) Adjust the PIN AMPLITUDE to obtain condition as in (fig. 4).

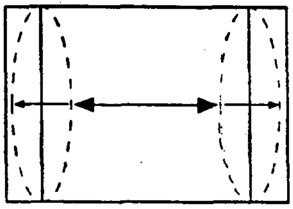


Fig. 4

5- UPPER CORNER CORRECTION

a) Receive Philips pattern signal.
b) When volume-up button is pressed, slide pincushion changes from pincushion to barrel shape.
c) When volume-down **is pressed, slide pincushion changes from barrel to** pincushion shape.
d) Adjust the UPPER CORNER CORRECTION to obtain condition as in (fig. 5).

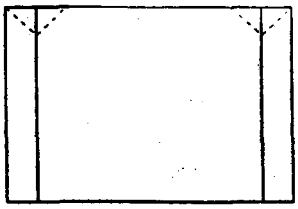


Fig. 5

6-LOWER CORNER CORRECTION

a) Receive Philips pattern signal.
b) When volume-up button is pressed, slide pincushion changes from pincushion to barrel shape.
c) When volume-down button is pressed, slide pincushion changes from barrel to pincushion shape.
d) Adjust the LOWER CORNER CORRECTION to obtain condition as in (fig. 6).

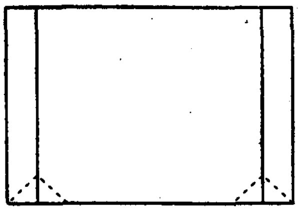


Fig. 6

7- VERTICAL LINEARITY

a) Receive Philips pattern signal.
b) When volume-up button is pressed, upper picture scanning decreases and lower picture scanning increase.
c) When volume-down button is pressed, upper picture scanning increases and lower picture scanning decreases.
d) Adjust the vertical symmetry to obtain symmetrical scanning between upper and lower picture (fig. **7).**

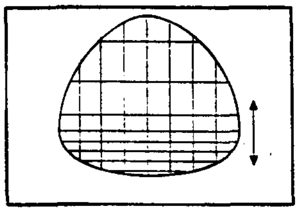


Fig. 7

8-VERTICAL ANGLE

a) Receive Philips pattern signal.
b) When volume-up button is pressed, vertical angle changes to the right.
c) When volume-down button is pressed, vertical angle changes to the left.
d) Adjust the VERTICAL ANGLE to obtain condition as in (fig. 8).

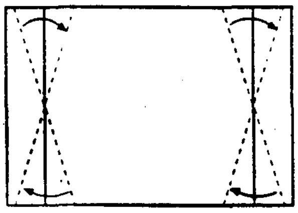


Fig. 8

9- VERTICAL BOW

a) Receive Philips pattern signal.
b) When volume-up button is pressed, vertical bow changes to the right.
c) When volume-down button is pressed, vertical bow changes to the left.
d) Adjust the VERTICAL BOW to obtain condition as in (fig. 9).

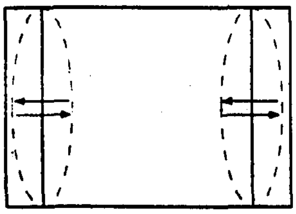


Fig. 9

10-VERTICAL AMPLITUDE

a) Receive Philips pattern signal.
b) When volume-up button is pressed, vertical size of picture increases.
c) When volume-down button is pressed, vertical size of picture decreases.
d) Adjust the vertical size to obtain overscan (fig. 10).

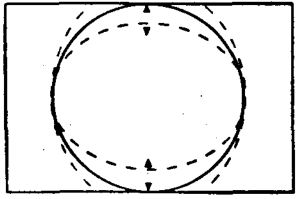


Fig. 10

11-S-CORRECTION

a) Receive Philips pattern signal.
b) When volume-up button is pressed, upper and lower scanning decreases, and center scanning increases.
c) When volume-down button is pressed, upper and lower scanning increases, and center scanning decreases.
d) Adjust the S-correction to obtain a balance between upper, lower and center (fig. 11).

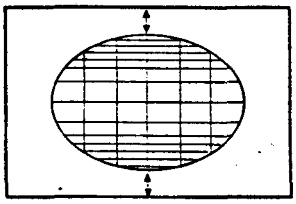


Fig. 11

12-VERTICAL SHIFT

a) Receive Philips pattern signal.
b) When volume-up button is pressed, picture moves up.
c) When volume-down button is pressed, picture moves down.
d) Adjust the horizontal location to obtain picture centering (fig. 12)

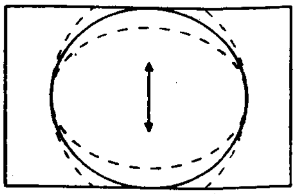


Fig. 12

1. RED CUT OFF / GREEN CUT OFF / BLUE CUT OFF

1.1 Adjust G2.
1.2 Tune a white card.
1.3 Adjust colour to minimum.
1.4 Position colourimeter in the center of screen.
1.5 Adjust brightness and contrast to obtain a luminance of = 20 NITS.
1.6 Operate in Service Mode and select location RED CUT OFF / GREEN CUT OFF / BLUE CUT OFF, to obtain colour coordinates:

X = 0.297 ±0.015
Y = 0.310±0.015

To increase press volume-up button and to decrease press volume-down button

RED CUT OFF	alter "X" coordinate
GREEN CUT OFF	alter "Y" coordinate
BLUE CUT OFF	alter "X" and "Y" coordinate

1.7 The changes introduced can be memorized by pressing button (*) on TV set.

2. RED GAIN / GREEN GAIN / BLUE GAIN

2.1 Using brightness and contrast buttons, select a luminance of = 110 NITS.
2.2 Operate again in Service Mode and select location RED GAIN / GREEN GAIN BLUE GAIN, to obtain colour coordinates:

X = 0.297 ±0.015
Y = 0.310±0.015

To increase press volume-up button and to decrease press volume-down button

RED GAIN	alter "X" coordinate
GREEN GAIN	alter "Y" coordinate
BLUE GAIN	alter "X" and "Y" coordinate

2.3 The changes introduced can be memorized by pressing button c!) on TV set.

2.4 Exit Service Mode and check colour coordinates "X" and "Y" at 20 and 110 NITS. It may be necessary to repeat procedure 1 and 2 of COLOUR ADJUSTMENT.

ACCESS TO NVM

Press CHA to move in the following secuence:
ALTER NVM PAG — ALTER NVM POS —> ALTER NVM VAL
to alter preseting adjustments, press up/down-volume buttons on ALTER NVM VAL.
A CAUTION: Do not change NVM VALUE to avoid risk of serious damages to TV set.

CONTRAST ADJUSTMENT

Up/Down-volume buttons are used to adjust the contrast of the following items: •
-TELETEXT MIX MODE CONTRAST
-TELETEXT CONTRAST
-OSD CONTRAST

DVCO ADJUSTMENT

a) Receive Philips pattern signal.
b) When Stand-by button is pressed (Remote Control Unit), start automatically the adjustment.

LUMA CHROMA DELAY

a) Receive Philips pattern signal.
b) When volume-up button is pressed, luma phase delays.
c) When volume-down button is pressed, chroma phase delays.
d) Adjust the Chroma-Luma delay.

OPC VALUE

Shows reading of detected illuminated value by O.P.C. (Optical Picture Control) to check function.

AUTO INSTALLATION OFF/ON

When ON is selected, the TV will perform the autoinstallation secuence as soon as service mode **is** removed.

PROTECTIONS CANCEL

a) Connect Test Pattern signal to antenna terminal.
b) Press main switch to OFF.
c) Press volume-down and channel-up buttons and main switch to ON simultaneously.
d) "Service software Vxx.xx" appears on screen.
c) Press main switch to OFF.

PARTS LIST
REPLACEMENT PARTS

Replacement parts which have special safety characteristics are identified in this manual. Electrical components having such features are identified by A in the Replacement Parts list.
The use of a substitute replacement part which does not have the same safety characteristics as the factory recommended is not permitted. Replacement parts not shown in this service manual may create shock fire, or other hazards.

HOW TO ORDER REPLACEMENT PARTS

To have your order completed promptly and correctly please supply the. following information.

1.MODEL NUMBER	2.REF. NO.
3. PART NO.	4. DESCRIPTION
5. CODE	6. QUANTITY

* MARK: SPARE PARTS DELIVERY SECTION

PICTURE TUBE

REF. NO	PARTS	*	DESCRIPTION	CODE
A	VB59EAK7144-N	S	C.R.T 25"	CX
A	CCILG0403BMVO	S	Degaussing Coil 25"	AR

PRINTED WIRING BOARDS (Not replacement item)

REF. NO	PARTS	*	DESCRIPTION	CODE
PWB-A	DUNTK7209BMV6	S	Mother Unit	
PWB-B	DUNTK7212BMV3	S	Socket Unit	--
PWB-C	DUNTK7104BMW8	S	IOOHZUnit	--
PWB-D	OUNTK7211BMV1	S	A/VUnit	--
CHASSIS	DSETU7209CJV6	S	Complete Chassis	--

PWB-A MOTHER UNIT

TUNER

REF. NO	PARTS	*	DESCRIPTION	CODE
TH 0201	RTUNH0123BMZZ	S	Tuner	BA

INTEGRATED CIRCUITS

REF. NO	PARTS	*	DESCRIPTION	CODE
1C 0201	RH-IX1612BMZZ	S	TDA6930X	AS
1C 0202	RH-IX1556BMZZ	S	BA10393SOP8	AD
1C 0301	RH-IX1633BMZZ.	S	MSP3400C	BA
1C 0302	VHIM5218L//-1	S	M5218L	AF
1C 0303	VHITDA7480/-1	S	TDA7480	AK
1C 0305	VHITDA7480/-1	S	TDA7480	AK
1C 0401	RH-IX1567BMZZ	S	SDA5273 SDIP52	BG
1C 0402	RH-IX1580BMZZ	S	DRAM	AY
1C 0501	RH-IX1556BMZZ	S	BA10393SOP8	AD
1C 0502	VSIMT1A/A//-1	S	IMT1A	AB
AIC 0701	RH-FX0103BMZZ	S	MOC8105SR2V	AD
1C 0702	RH-IX1641BMZZ	S	L4940V5	AH
1C 1001	RH-IX1629BMZZ	S	SAB-C161K-L16Q	AY
1C 1002	RH-IX1603BMZZ	S	NVM	AV
1C 1003	RH-IX0037CEZZ	S	UPC574J 33V	AD
1C 1004	CH-IX1603CJSJ	S	EPROM	AZ
A IC 1008	RH-FX0103BMZZ	S	MOC8105SR2V	AD
A 1C 1009	RH-FX0103BMZZ	S	MOC8105SR2V	AD
1C 1010	RH-IX1646BMZZ	S	ST6203B	AL
1C 1011	VHIPST529C2-1	S	PST529C	AD
1C 1013	VHIPST529C2-1	S	PST529C •	AD
1C 1014	RH-IX1603BMZZ	S	NVM	AV

TRANSISTORS

REF. NO	PARTS	*	DESCRIPTION	CODE
Q 0201	VS2SC2412KQ-1	S	2SC2412	AA
Q 0202	VS2SC2412KQ-1	S	2SC2412	AA
Q 0209	RH-TX0102BMZZ	S	BC338	AB
Q 0315	VS2SA1037KQ-1	S	BC807	AA
Q 0316	VS2SC2412KQ-1	S	2SC2412	AA
Q 0317	VS2SC2412KQ-1	S	2SC2412	AA
Q 0318	VS2SC2412KQ-1	S	2SC2412	AA
Q 0401	VS2SC2412KQ-1	S	2SC2412	AA
Q 0402	VS2SC2412KQ-1	S	2SC2412	AA
Q 0501	VS2SC2412KQ-1	S	2SC2412	AA
Q 0504	VS2SC2412KQ-1	S	2SC2412	AA
Q 0505	VS2SA1037KQ-1	S	BC807	AA
Q 0507	RH-TX0147BMZZ	S	2SA1797T100/Q	AD
Q 0508	RH-TX0151BMZZ	S	2SD2391Q	AD
Q 0509	RH-TX0149BMZZ	S	2SB1561	AD
Q 0510	VS2SC2412KQ-1	S	2SC2412	AA
Q 0511	VS2SC2412KQ-1	S	2SC2412	AA
Q 0512	RH-TX0150BMZZ	S	2SA1900T100/Q	AC
Q 0601	RH-TX0197BMZZ	S	BU2525AX	AQ
Q 0602	RH-TX0192BMZZ	S	KSC2500	AC
Q 0603	VS2SC2412KQ-1	S	2SC2412	AA
Q 0604	VS2SA1037KQ-1	S	BC807	AA
Q 0605	RH-TX0151BMZZ	S	2SD2391Q	AD
Q 0608	RH-TX0192BMZZ	S	KSC2500	AC
Q 0701	RH-TX0198BMZZ	S	S5F10N80A	AU
Q 0702	RH-TX0182BMZZ	S	2PD602AR	AB
Q 0703	RH-TX0182BMZZ	S	2PD602AR	AB
Q 0704	RH-TX0130BMZZ	S	BC338-40	AB
Q 0705	VS2SC2412KQ-1	S	2SC2412	AA
Q 0709	VS2SC2412KQ-1	S	2SC2412	AA
Q 0710	VS2SA1037KQ-1	S	BC807	AA
Q 0711	VS2SC2412KQ-1	S	2SC2412	AA
Q 0712	VS2SA1037KQ-1	S	BC807	AA
Q 1001	VS2SC2412KQ-1	S	2SC2412	AA
Q 1002	VS2SC2412KQ-1	S	2SC2412	AA
Q 1012	VS2SC2412KQ-1	S	2SC2412	AA
Q 1013	VS2SC2412KQ-1	S	2SC2412	AA
Q 1101	VS2SC2412KQ-1	S	2SC2412	AA
Q 1102	VS2SC2412KQ-1	S	2SC2412	AA

DIODES

REF. NO	PARTS	*	DESCRIPTION	CODE
D 0202	RH-EX0551BMZZ	S	Zener TZMC9V1	AA
D 0203	RH-DX0551BMZZ	S	LL4148	AA
D 0317	RH-DX0551 BMZZ	S	LL4148	AA
D 0318	RH-DX0551BMZZ	S	LL4148	AA
D 0321	RH-DX0551BMZZ	S	LL4148	AA
D 0405	RH-EX0550BMZZ	S	Zener TZMC8V2	AA
D 0412	RH-EX0545BMZZ	S	Zener TZMC5V1.	AA
D 0413	RH-EX0548BMZZ	S	Zener TZMC6V8	AA
D 0451	RH-EX0539BMZZ	S	Zener TZMC3VO	AA
D 0501	RH-EX0549BMZZ	S	Zener TZMC7V5	AA
D 0502	RH-EX0549BMZZ	S	Zener TZMC7V5	AA
D 0503	RH-DX0045BMZZ	S	1N4148	AA
D 0504	RH-DX0551BMZZ	S	LL4148	AA
D 0505	RH-DX0590BMZZ	S	MBR1100RL	AE
D 0507	RH-DX0590BMZZ	S	MBR1100RL	AE
D 0508	RH-DX0551BMZZ	S	LL4148	AA
D 0509	RH-EX0538BMZZ	S	Zener TZMC2V7	AA
D 0510	RH-DX0551BMZZ	S	LL4148	AA
D 0511	RH-DX0551BMZZ	S	LL4148	AA
D 0512	RH-DX0504BMZZ	S	1N4934	AB
D 0513	RH-DX0501BMZZ	S	1N4004	AA
D 0516	RH-EX0546BMZZ	S	Zener TZMC5V6	AA
D 0517	RH-DX0551BMZZ	S	LL4148	AA
D 0518	RH-DX0551BMZZ	S	LL4148	AA
D 0519	RH-EX0549BMZZ	S	Zener. TZMC7V5	AA
D 0520	RH-EX0549BMZZ	S	Zener TZMC7V5	AA
D 0601	RH-DX0505BMZZ	S	1N4935	AB
D 0603	RH-DX0551BMZZ	S	LL4148	AA
D 0604	RH-DX0506BMZZ	S	1N4936	AB
D 0605	RH-DX0585BMZZ	S	DMV32AF5	AM
D 0607	RH-DX0505BMZZ	S	1N4935	AB
D 0608	RH-DX0505BMZZ	S	1N4935	AB
D 0609	RH-DX0519BMZZ	S	1N5819	AD

REP. NO	PARTS	*	DESCRIPTION	CODE "
D 0610	RH-DX0519BMZZ	S	1N5819	AD
D 0611	RH-DX0551BMZZ	S	LL4148	AA
D 0613	RH-DX0551BMZZ	S	LL4148	AA
D 0616	RH-DX0551BMZZ	S	LL4148	AA
D 0617	RH-DX0551BMZZ	S	LL4148	AA
D 0618	RH-DX0551BMZZ	S	LL4148	AA
D 0619	RH-DX0551BMZZ	S	LL4148	AA
D 0620	RH-DX0551BMZZ	S	LL4148	AA
D 0621	RH-EX0554BMZZ	S	Zener TZMC12	AA
D 0622	RH-EX0554BMZZ	S	Zener TZMC12	AA
D 0623	RH-EX0568BMZZ	S	Zener TZMC47	AA
D 0624	RH-DX0506BMZZ	S	1N4936	AB
D 0625	RH-DX0519BMZZ	S	1N5819	AD
D 0627	RH-DX0551BMZZ	S	LL4148	AA
D 0701	RH-DX0555BMZZ	S	RF2005	AB
D 0702	RH-DX0555BMZZ	S	RF2005	AB
D 0703	RH-DX0555BMZZ	S	RF2005	AB
D 0704	RH-DX0555BMZZ	S	RF2005	AB
D 0705	RH-DX0539BMZZ	S	BYT52M	AC
D 0706	RH-DX0551BMZZ	S	LL4148	AA
D 0707	RH-EX0546BMZZ	S	Zener TZMC5V6	AA
D 0708	RH-DX0587BMZZ	S	MR826	AP
D 0709	RH-DX0561BMZZ	S	RGP15J	AD
D 0710	RH-DX0561BMZZ	S	RGP15J	AD
D 0711	RH-DX0502BMZZ	S	1N4005	
D 0712	RH-DX0565BMZZ	S	1N5822RL	AD
D 0717	RH-EX0584BMZZ	S	Zener TZMBC6V2	AA
D 0718	RH-EX0556BMZZ	S	Zener TZMC15	AA
D 0719	RH-DX0561BMZZ	S	RGP15J	AD
D 0720	RH-DX0045BMZZ	S	1N4148	AA
D 0721	RH-DX0045BMZZ	S	1N4148	AA
D 0724	RH-DX0559BMZZ	S	BAS12	AC
D 0725	RH-DX0559BMZZ	S	BAS12	AC
D 0727	[illegible]	S	1N5822RL	AD
D 0728	RH-DX0551BMZZ	S	LL4148	AA
D 0729	RH-DX0551BMZZ	S	LL4148	AA
D 0730	RH-DX0551BMZZ	S	LL4148	AA
D 0731	RH-EX0583BMZZ	S	Zener TZMBC5V6	AA
D 1001	RH-EX0546BMZZ	S	Zener TZMC5V6	AA
D 1002	RH-EX0546BMZZ	S	Zener TZMC5V6	AA
D 1005	RH-EX0546BMZZ	S	Zener TZMC5V6	AA
D 1006	RH-EX0546BMZZ	S	Zener TZMC5V6	AA
D 1007	RH-EX0546BMZZ	S	Zener TZMC5V6	AA
D 1008	RH-EX0546BMZZ	S	Zener TZMC5V6	AA
D 1009	RH-EX0409BMZZ	S	Zener BZX79C5V6	AA
D 1010	RH-DX0551BMZZ	S	LL4148	AA
D 1011	RH-DX0045BMZZ	S	1N4148	AA
D 1012	RH-DX0551BMZZ	S	LL4148	AA
D 1013	RH-DX0551BMZZ	S	LL4148	AA
D 1051	RH-PX0105BMZZ	S	LEO	AC
D 1052	RH-PX0105BMZZ	S	LED	AC
D 1101	RH-EX0408BMZZ	S	Zener BZX79C5V1	AB
D 1102	RH-DX0045BMZZ	S	1N4148	AA
D 1105	RH-DX0045BMZZ	S	1N4148	AA
D 1106	RH-DX0551BMZZ	S	LL4148	AA

PACKADGED CIRCUITS

REP. NO	PARTS	*	DESCRIPTION	CODE "
APR 0701	RMPTP0028CEZZ	S	P.T.C.	AG
X 0301	RCRSB0203BMZZ	S	Crystal 18.432MHz	AG
X 0451	RCRSB0214BMZZ	S	Crystal 20.48 MHz	AH
X 1001	RCRSB0235BMZZ	S	Crystal 16MHz	AF

COILS

REP. NO	PARTS	*	DESCRIPTION	CODE "
L 0202	VP-DF100KOOOO	S	10pH	AB
L 0203	VP-CF470KOOOO	S	47MH	AA
L 0205	RCILD0237BMZZ	S	Filter	AF
L 0206	VP-NM1ROMR10N	S	1(JH	AB
L 0301	VP-DF100KOOOO	S	10pH	AB
L 0302	RCILP0236BMZZ	S	100pH	AQ
L 0303	VP-DF3R3KOOOO	S	3.3pH	AB

REF. NO	PARTS	*	DESCRIPTION	CODE
L 0304	RCILP0236BMZZ	S	100pH	AQ
L 0405	VP-DF100KOOOO	S	10pH	AB
L 0452	VP-DF3R3KOOOO	S	3.3|JH	AB
L 0501	RCILP0271BMZZ	S	400^iH	AG
L 0602	RCILZ0715BMZZ	S	Delay line	AM
L 0604	RCILF0158BMZZ	S	Coil	AK
L 0604	RCILF0158BMZZ	S	Line Filter	AK
L 0605	RCILP0262BMZZ	S	5mH	AG
L 0607	VP-CF3R3KOOOO	S	3.3pH	AB
L 0608	VP-CF3R3KOOOO	S	3.3|JH	AB
L 0609	RCILP0265BMZZ	S	1.5pH	AD
L 0610	RCILP0276BMZZ	S	Coil	AE
AL 0701	RCILF0108BMZZ	S	Main Filter	AL
L 0702	RCILP0110CEZZ	S	3.3pH	AD
L 0703	RCILP0110CEZZ	S	3.3pH	AD
L 0704	VP-CF1 ROMOOOO	S	1pH	AB
L 0705	VP-CF1 ROMOOOO	S	1|JH	AB
L 0706	VP-DF3R3KOOOO	S	3.3pH	AB
L 0708	VP-CF1 ROMOOOO	S	1pH	AB
L 0709	VP-CF1 ROMOOOO	S	1pH	AB
L 0710	RCILP0110CEZZ	S	3.3pH	AD
J 0189	VP-XF100KOOOO	S	10pH	AB

CERAMIC FILTERS

REF. NO	PARTS	*	DESCRIPTION	CODE
CF 0301	RFILC0020CEZZ	S	Filter 5.5 MHz	AE
CF1001	RFILC0121GEZZ	S	Filter 8 MHz	AD
SF 0201	RFILC0281BMZZ	S	SAW Filter G3264K	AQ

TRANSFORMERS

REF. NO	PARTS	*	DESCRIPTION	CODE
AT 0601	RTRNF2041BMZZ	S	F.B.T.	BB
AT 0701	RTRNZ0550BMZZ	S	Chopper	AV

CAPACITORS

REF. NO	PARTS	*	DESCRIPTION	CODE
C 0201	VCEAGA1HW105M	S	1 50V Electrolytic	AA
C 0202	VCEAGA1HW225M	S	2.2 50V Electrolytic	AB
C 0206	VCEAGA1CW476M	S	47 16V Electrolytic	AB
C 0207	RC-FZ9105BMNJ	J	1 63V Mylar	AD
C 0208	VCCCTV1HH470J	S	47p 50V Ceramic	AA
C 0210	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 0211	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 0212	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 0213	VCEAGA1 CW106M	S	10 16V Electrolytic	AA
C 0214	VCEAGAOJW477M	S	470 6.3V Electrolytic	AB
C 0215	VCCCTV1HH270J	S	27p 50V Ceramic	AA
C 0216	VCCCTV1HH270J	S	27p 50V Ceramic	AA
C 0217	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 0218	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 0219	RC-FZ9102BMNJ	J	1000p 63V Mylar	AB
C 0220	VCEAGA1 HW474M	S	0.47 50V Electrolytic	AA
C 0229	VCKYTV1 HB472K	S	4700p 50V Ceramic	AA
C 0230	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 0232	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 0234	VCEAGA1HW225M	S	2.2 50V Electrolytic	AB
C 0238	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 0243	[illegible]	S	68p 50V Ceramic	
C 0244	VCCCTV1 HH471J	S	470p 50V Ceramic	AA
C 0245	VCKYTV1 HB103K	S	0.01 50V Ceramic	AA
C 0246	VCCCTV1 HH100D	S	10p 50V Ceramic	AA
C 0301	VCCCTV1 HH5ROC	S	5p 50V Ceramic	AA
C [illegible]	[illegible]	S	5p 50V Ceramic	
C 0303	VCKYTV1 HF103Z	S	0.01 50V Ceramic	AA
C 0304	VCCCTV1 HH470J	S	47p 50V Ceramic	AA
C 0305	VCKYTV1 HF103Z	S	0.01 50V Ceramic	AA
C 0306	VCCCTV1 HH470J	S	47p 50V Ceramic	AA
C 0307	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 0308	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 0309	VCEAGA1 CW106M	S	10 16V Electrolytic	AA
C 0311	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 0312	VCEAGA1 CW106M	S	10 16V Electrolytic	AA

REF. NO	PARTS	*	DESCRIPTION	CODE	REF. NO	PARTS	*	DESCRIPTION	CODE
C 0313	VCEAGA1AW337M	S	330 10V Electrolytic	AB	C 0508	VCCSPA1HL271J	S	270p 50V Ceramic	AA
C 0314	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA	C 0509	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 0315	VCEAGA1CW106M	S	10 16V Electrolytic	AA	C 0512	VCEAGA1 HW226M	S	22 50V Electrolytic	AA
C 0316	VCCCTV1HH471J	S	470p 50V Ceramic	AA	C 0513	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 0317	VCEAGA1HW335M	S	3.3 50V Electrolytic	AA	C 0514	RC-FZ9684BMNJ	J	0.68 63V Mylar	AD
C 0318	VCEAGA1HW225M	S	2.2 50V Electrolytic	AB	C 0515	VCKYTV1HB102K	S	1000p 50V Ceramic	AA
C 0319	VCCCTV1HH471J	S	470p 50V Ceramic	AA	C 0517	VCEAGA1 EW226M	S	22 25V Electrolytic	AA
C 0320	VCCCTV1HH391J	S	390p 50V Ceramic	AA	C 0519	VCKYTV1 HF103Z	S	0.01 50V Ceramic	AA
C 0321	VCCCTV1HH391J	S	390p 50V Ceramic	AA	C 0520	VCKYTV1 HF103Z	S	0.01 50V Ceramic	AA
C 0322	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA	C 0521	VCKYTV1 HB332K	S	3300p 50V Ceramic	AA
C 0323	VCEAGAOJW108M	S	1000 6.3V Electrolytic	AB	C 0523	RC-FZ9684BMNJ	J	0.68 63V Mylar	AD
C 0324	VCKYTV1HB102K	S	1000p 50V Ceramic	AA	C 0524	RC-FZ9684BMNJ	J	0.68 63V Mylar	AD
C 0325	VCKYTV1HB102K	S	1000p 50V Ceramic	AA	C 0525	VCEAGA1 AW477M	S	470 10V Electrolytic	AB
C 0326	VCKYTV1HB102K	S	1000p 50V Ceramic	AA	C 0526	VCCCTV1HH471J	S	470p 50V Ceramic	AA
C 0327	VCKYTV1HB102K	S	1000p 50V Ceramic	AA	C 0527	VCEAGA1 CW107M	S	100 16V Electrolytic	AB
C 0328	VCKYTV1 EF224Z	S	0.22 25V Ceramic	AA	C 0529	VCKYPA1HB102K	S	1000p 50V Ceramic	AA
C 0329	VCKYTV1 EF224Z	S	0.22 25V Ceramic	AA	C 0601	RC-FZ0158BMZZ	S	0.01 1KV Mylar	AF
C 0330	VCKYTV1 HB472K	S	4700p 50V Ceramic	AA	C 0603	RC-FZ9223BMNJ	J	0.022 63V Mylar	AB
C 0331	RC-FZ9104BMNJ	J	0.1 63V Mylar	AB	C 0604	VCEAGA1AW337M	S	330 10V Electrolytic	AB
C 0332	RC-FZ9104BMNJ	J	0.1 63V Mylar	AB	C 0605	RC-FZ6153BMNJ	S	0.015 250V Mylar	AC
C 0333	RC-FZ9474BMNJ	J	0.47 63V Mylar	AD	C 0606	RC-FZ7474BMNJ	J	0.47 400V Mylar	AH
C 0334	RC-FZ9334BMNJ	J	0.33 63V Mylar	AC	C 0607	RC-FZ7824BMNJ	J	0.82 400V Mylar	AK
C 0335	VCEAGA1HW225M	S	2.2 50V Electrolytic	AB	C 0609	VCEAGA2EW336M	S	33 250V Electrolytic	AE
C 0336	RC-FZ9334BMNJ	J	0.33 63V Mylar	AC	C 0610	RC-FZ0159BMZZ	S	0.015 630V Mylar	AE
C 0337	VCKYTV1 HB472K	S	4700p 50V Ceramic	AA	C 0616	VCEAGA1 EW477M	S	470 25V Electrolytic	AD
C 0338	VCCCTV1HH561J	S	560p 50V Ceramic	AA	C 0618	VCEAGA1 EW108M	S	1000 25V Electrolytic	AD
C 0339	VCCCTV1HH561J	S	560p 50V Ceramic	AA	C 0619	VCEAGA1 JW107M	S	100 63V Electrolytic	AB
C 0340	RC-FZ9474BMNJ	J	0.47 63V Mylar	AD	C 0620	VCKYTV1 HB333K	S	0.033 50V Ceramic	AA
C 0341	RC-FZ9104BMNJ	J	0.1 63V Mylar	AB	C 0621	VCEAGA1 JW107M	S	100 63V Electrolytic	AB
C 0342	RC-FZ9104BMNJ	J	0.1 63V Mylar	AB	C 0625	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 0343	VCKYTV1 HF1 (WZ	S	0.1 50V Ceramic	AA	C 0626	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 0345	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA	C 0627	VCEAGA2DW106M	S	10 200V Electrolytic	AD
C 0347	VCKYTV1HB102K	S	1000p 50V Ceramic	AA	C 0630	VCEAGA2DW106M	S	10 200V Electrolytic	AD
C 0348	VCKYTV1HB102K	S	1000p 50V Ceramic	AA	C 0631	RC-FZ9224BMNJ	J	0.22 63V Mylar	AC
C 0349	VCEAGA1 EW227M	S	220 25V Electrolytic	AA	C 0635	VCKYTV1 HB103K	S	0.01 50V Ceramic	AA
C 0350	VCEAGA1EW227M	S	220 25V Electrolytic	AA	C 0636	VCKYTV1 HB103K	S	0.01 50V Ceramic	AA
C 0351	VCEAGA1 EW227M	S	220 25V Electrolytic	AA	C 0638	VCCCTV1HH391J	S	390p 50V Ceramic	AA
C 0352	VCKYTV1 HF104Z	S	0.1 50V Ceramic	AA	C 0702	RC-FZ0160BMZZ	S	0.47 275V Mylar	AF
C 0353	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA	C 0705	RC-FZ0156BMZZ	S	0.022 630V Mylar	AE
C 0354	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA	C 0706	RC-EZ0114BMZZ	S	220 385V Electrolytic	AS
C 0357	VCEAGA1EW227M	S	220 25V Electrolytic	AA	C 0707	RC-FZ9153BMNJ	J	0.015 63V Mylar	AB
C 0379	VCEAGA1 HW336M	S	33 50V Electrolytic	AB	C 0708	RC-FZ9273BMNJ	J	0.027 63V Mylar	AB
C 0380	VCKYTV1 HF103Z	S	0.01 50V Ceramic	AA	C 0709	VCKYTV1 HB332K	S	3300p 50V Ceramic	AA
C 0381	VCKYTV1 HF103Z	S	0.01 50V Ceramic	AA	C 0710	VCKYTV1HB102K	S	1000p 50V Ceramic	AA
C 0382	VCKYTV1 HF103Z	S	0.01 50V Ceramic	AA	G 0711	RC-EZ0258CEZZ	S	100 200V Electrolytic	AH
C 0385	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA	C 0712	VCEAGA1EW227M	S	220 25V Electrolytic	AA
C 0386	RC-FZ9104BMNJ	J	0.1 63V Mylar	AB	C 0713	VCEAGA1 CW108M	S	1000 16V Electrolytic	AE
C 0387	VCCCTV1HH101J	S	100p 50V Ceramic	AA	C 0714	VCEAGA1 AW477M	S	470 10V Electrolytic	AB
C 0388	VCCCTV1HH101J	S	100p 50V Ceramic	AA	C 0716	VCE9GA1HW225M	S	2.2 50V Electrolytic	AB
C 0389	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA	AC 0717	RC-KZ0156CEZZ	S	3300p 4KV Ceramic	AD
C 0401	RC-FZ9334BMNJ	J	0.33 63V Mylar	AC	C 0718	RC-KZ0038CEZZ	S	470p 2KV Ceramic	AB
C 0404	RC-FZ9334BMNJ	J	0.33 63V Mylar	AC	C 0719	VCEAGA1 EW228M	S	2200 25V Electrolytic	AF
C 0417	VCEAGA1 CW226M	S	22 16V Electrolytic	AA	C 0720	VCEAGA1 EW228M	S	2200 25V Electrolytic	AF
C 0418	VCEAGA1 CW226M	S	22 16V Electrolytic	AA	C 0721	VCEAGA1 AW228M	S	2200 10V Electrolytic	AF
C 0451	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA	C 0723	VCEAGA1 HW226M	S	22 50V Electrolytic	AA
C 0452	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA	C 0724	VCKYTV1 HB103K	S	0.01 50V Ceramic	AA
C 0453	RC-FZ9104BMNJ	J	0.1 63V Mylar	AB	C 0726	VCCCTV1HH331J	S	330p 50V Ceramic	AA
C 0454	VCKYTV1 EF224Z	S	0.22 25V Ceramic	AA	C 0727	RC-KZ0029CEZZ	S	0.01 250V Ceramic	AC
C 0456	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA	C 0728	VCCCTV1HH101J	S	100p 50V Ceramic	AA
C 0458	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA	C 0729	VCEAGA1 AW477M	S	470 10V Electrolytic	AB
C 0459	VCCCTV1HH220J	S	22p 50V Ceramic	AA	C 0730	VCEAGA1 AW228M	S	2200 10V Electrolytic	AF
C 0460	VCCCTV1HH220J	S	22p 50V Ceramic	AA	C 0733	RC-KZ0029CEZZ	S	0.01 250V Ceramic	AC
C 0461	VCCCTV1HH220J	S	22p 50V Ceramic	AA	C 1001	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 0468	VCKYTV1 EF224Z	S	0.22 25V Ceramic	AA	C 1002	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 0469	VCKYTV1 HB333K	S	0.033 50V Ceramic	AA	C 1003	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 0470	VCKYTV1 HB332K	S	3300p 50V Ceramic	AA	C 1005	VCEAGAOJW108M	S	1000 6.3V Electrolytic	AB
C 0501	VCCCTV1HH471J	S	470p 50V Ceramic	AA	C 1006	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 0502	RC-FZ9103BMNJ	J	0.01 63V Mylar	AB	C 1007	VCKYTV1 HF103Z	S	0.01 50V Ceramic	AA
C 0503	VCKYTV1 HB332K	S	3300p 50V Ceramic	AA	C 1008	VCCCTV1 HH470J	S	47p 50V Ceramic	AA
C 0504	VCCCTV1HH101J	S	100p 50V Ceramic	AA	C 1009	VCCCTV1 HH220J	S	22p 50V Ceramic	AA
C 0506	VCKYTV1 HB393K	S	0.039 50V Ceramic	AA	C 1010	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 0507	VCKYTV1 HB393K	S	0.039 50V Ceramic	AA	C 1011	VCKYTV1 EF224Z	S	0.22 25V Ceramic	AA

REF. NO	PARTS	•*	DESCRIPTION	CODE
C 1012	VCEAGA1 HW225M	S	2.2 50V Electrolytic	AB
C 1013	VCKYTV1HB152K	S	1500p 50V Ceramic	AA
C 1102	VCEAGA1AW107M	S	100 10V Electrolytic	AA
C 1103	VCEAGA1 HW226M	S	22 50V Electrolytic	AA
C 1104	VCKfTVI HB472K	S	4700p 50V Ceramic	AA
C 1105	VCKYTV1HB103K	S	0.01 50V Ceramic	AA
C 1106	VCKYTV1HB103K	S	0.01 50V Ceramic	AA
C 1107	VCEAGA1 CW226M	S	22 16V Electrolytic	AA
J 0008	VCCCTV1HH100D	S	10p 50V Ceramic	AA
J 0097	VCCCTV1HH471J	S	470p 50V Ceramic	AA
			RESISTORS	
R 0202	VRS-TV1JD221J	S	220 1/1OW Metal Oxide	AA
R 0204	RR-XZ0104BMZZ	S	2.2 1/3W Fuse Resistor	AB
R 0205	VRS-TVUDOOOJ	S	0 1/1OW Metal Oxide	AA
R 0212	VRS-TV1JD472J	S	4.7K 1/10W Metal Oxide	AA
R 0213	VRD-RA2BE153J	S	15K 1/8W Carbon	AA
R 0214	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 0215	VRD-RA2BE271J	S	270 1/8W Carbon	AA
R 0219	VRD-RA2BE822J	S	8.2K 1/8W Carbon	AA
R 0224	RVR-M4624GEZZ	S	4.7K Adjusting Resistor	AB
R 0225	VRS-TV1JD181J	S	180 1/10W Metal Oxide	AA
R 0229	VRS-TV1JD272J	S	2.7K 1/10W Metal Oxide	AA
R 0230	VRS-TV1JD822J	S	8.2K 1/10W Metal Oxide	AA
R 0231	VRS-TV1JD104J	S	100K 1/10W Metal Oxide	AA
R 0232	VRS-TV1JD470J	S	47 1/10W Metal Oxide	AA
R 0234	VRS-TV1JD821J	S	820 1/10W Metal Oxide	AA
R 0235	VRS-TV1JD563J	S	56K 1/10W Metal Oxide	AA
R 0236	VRS-TV1JD563J	S	56K 1/10W Metal Oxide	AA
R 0237	VRD-RA2BE102J	S	1K 1/8W Carbon	AA
R 0238	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA
R 0239	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA
R 0240	VRS-TV1JD561J	S	560 1/10W Metal Oxide	AA
R 0242	VRS-TV1JD151J	S	150 1/10W Metal Oxide	AA
R 0244	VRS-TV1JD273J	S	27K 1/10W Metal Oxide	AA
R 0245	VRS-TV1JD153J	S	15K 1/10W Metal Oxide	AA
R 0248	VRD-RA2BE102J	S	1K 1/8W Carbon	AA
R 0301	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 0302	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 0303	VRD-RA2BE101J	S	100 1/8W Carbon	AA
R 0304	VRD-RA2BE101J	S	100 1/8W Carbon	AA
R 0306	VRS-TV1JD104J	S	100K 1/10W Metal Oxide	AA
R 0307	VRS-TV1JD104J	S	100K 1/10W Metal Oxide	AA
R 0308	VRS-TV1JD223J	S	22K 1/10W Metal Oxide	AA
R 0309	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA
R 0310	VRS-TV1JD391J	S	390 1/10W Metal Oxide	AA
R 0311	VRS-TV1JD391J	S	390 1/10W Metal Oxide	AA
R 0312	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA
R 0313	VRS-TV1JD223J	S	22K 1/10W Metal Oxide	AA
R 0315	VRD-RA2BE103J	S	10K 1/8W Carbon	AA
R 0316	VRD-RA2BE104J	S	100K 1/8W Carbon	AA
R 0317	VRS-TV1JD473J	S	47K 1/10W Metal Oxide	AA
R 0318	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA
R 0320	VRS-TV1JD123J	S	12K 1/10W Metal Oxide	AA
R 0321	VRS-TV1JD123J	S	12K 1/10W Metal Oxide	AA
R 0322	VRD-RA2HD151J	S	150 1/2W Carbon	AA
R 0324	VRD-RA2HD151J	S	150 1/2W Carbon	AA
R 0325	VRD-RA2BE103J	S	10K 1/8W Carbon	AA
R 0326	VRS-TV1JD273J	S	27K 1/10W Metal Oxide	AA
R 0338	VRD-RA2BE103J	S	10K 1/8W Carbon	AA
R 0339	VRS-TV1JD273J	S	27K 1/10W Metal Oxide	AA
R 0355	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 0356	VRD-RA2BE101J	S	100 1/8W Carbon	AA
R 0371	VRS-TV1JD332J	S	3.3K 1/10W Metal Oxide	AA
R 0374	VRD-RA2BE272J	S	2.7K 1/8W Carbon	AA
R 0375	VRS-TV1JD272J	S	2.7K 1/10W Metal Oxide	AA
R 0377	VRD-RA2BE104J	S	100K 1/8W Carbon	AA
R 0387	VRS-TV1JD912J	S	9.1K 1/10W	AA
R 0388	VRS-TV1JD562J	S	5.6K 1/10W Metal Oxide-	AA
R 0389	VRS-TV1JD912J	S	9.1K 1/10W	AA
R 0390	VRS-TV1JD562J	S	5.6K 1/10W Metal Oxide	AA

REF. NO	PARTS	*	DESCRIPTION	CODE
R 0432	VRD-RA2BE101J	S	100 1/8W Carbon	AA
R 0433	VRD-RA2BE101J	S	100 1/8W Carbon	AA
R 0447	VRS-TV1JD682J	S	6.8K 1/10W Metal Oxide	AA
R 0448	VRS-TV1JD152J	S	1.5K 1/10W Metal Oxide	AA
R 0449	VRS-TV1JD560J	S	56 1/10W Metal Oxide	AA
R 0450	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 0454	VRS-TV1JD471J	S	470 1/10W Metal Oxide	AA
R 0455	VRS-TV1JD104J	S	100K 1/10W Metal Oxide	AA
R 0457	VRS-TV1JD332J	S	3.3K 1/10W Metal Oxide	AA
R 0458	VRS-TV1JD472J	S	4.7K 1/10W Metal Oxide	AA
R 0459	VRD-RA2BE101J		100 1/8W Carbon	AA
R 0460	VRD-RA2BE101J	S	100 1/8W Carbon	AA
R 0463	VRD-RA2BE101J		100 1/8W Carbon	
R 0466	VRD-RA2BE222J	S	2.2K 1/8W Carbon	AA
R 0467	VRD-RA2BE222J	S	2.2K 1/8W Carbon	AA
R 0501	VRS-TV1JD562J	S	5.6K 1/10W Metal Oxide	AA
R 0502	VRD-RA2HD104J	S	100K 1/2W Carbon	AA
R 0503	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA
R 0505	RR-XZ0124BMZZ	S	100 1/3W Fuse Resistor	AA
R 0508	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA
R 0510	VRS-TV1JD331J	S	330 1/10W Metal Oxide	AA
R 0511	VRD-RA2BE472J	S	4.7K 1/8W Carbon	AA
R 0512	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA
R 0513	VRS-TV1JD562J	S	5.6K 1/10W Metal Oxide	AA
R 0515	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA
R 0516	VRD-RA2HD331J	S	330 1/2W Carbon	AA
R 0517	VRD-RA2HD331J	S	330 1/2W Carbon	AA
R 0518	VRS-TV1JD332J	S	3.3K 1/10W Metal Oxide	AA
R 0520	VRD-RA2BE222J	S	2.2K 1/8W Carbon	AA
R 0521	VRS-TV1JD561J	S	560 1/10W Metal Oxide	AA
R 0522	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA
R 0523	VRN-LU3DB1R5J	S	1.5 2W Metal Film	AB
R 0524	VRS-TV1JD331J	S	330 1/10W Metal Oxide	AA
R 0526	VRS-TV1JD222J	S	2.2K 1/10W Metal Oxide	AA
R 0530	VRD-RA2HD681J	S	680 1/2W Carbon	AA
R 0531	RR-XZ0231BMZZ	S	390 1/2W Fuse Resistor	AB
R 0532	VRS-W3DB151J	S	150 2W Metal Oxide	AA
R 0533	VRS-TV1JD223J	S	22K 1/10W Metal Oxide	AA
R 0534	VRS-TV1JD471J	S	470 1/10W Metal Oxide	AA
R 0537	VRS-TV1JD332J	S	3.3K 1/10W Metal Oxide	AA
R 0538	VRS-TV1JD122J	S	1.2K 1/10W Metal Oxide	AA
R 0541	VRS-TV1JD222J	S	2.2K 1/10W Metal Oxide	AA
R 0542	VRS-TV1JD392J	S	3.9K 1/10W Metal Oxide	AA
R 0544	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA
R 0545	VRD-RA2BE103J	S	10K 1/8W Carbon	AA
R 0549	VRD-RA2BE471J	S	470 1/8W Carbon	AA
R 0551	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA
R 0552	VRD-RA2BE275J	S	2.7M 1/8W Carbon	AA
R 0601	VRD-RA2BE682J	S	6.8K 1/8W Carbon	AA
R 0602	VRD-RA2EE471J	S	470 1/4W Carbon	AA
R 0603	VRN-W3AB3R9J	S	3.9 1W Metal Film	AA
R 0604	VRN-LU3LB2R2J	S	2.2 3W Metal Film	AB
R 0605	VRS-TV1JD222J	S	2.2K 1/10W Metal Oxide	AA
R 0606	VRS-W3AB330J	S	33 1W Metal Oxide	AA
R 0609	VRN-W3AB1ROJ	S	1 1W Metal Film	AA
R 0610	VRS-W3DB561J	S	560 2W Metal Oxide	AA
R 0611	RR-XZ0200BMZZ	S	1 1/2W Fuse Resistor	AB
R 0618	VRD-RA2BE222J	S	2.2K 1/8W Carbon	AA
R 0619	VRS-W3AB102J	S	1K 1W Metal Oxide	AB
R 0620	VRD-RA2HD102J	S	1K 1/2W Carbon	AA
R 0624	RR-XZ0200BMZZ	S	1 1/2W Fuse Resistor	AB
R 0625	VRS-TV1JD563J	S	56K 1/10W Metal Oxide	AA
R 0634	VRS-TV1JD222J	S	2.2K 1/10W Metal Oxide	AA
R 0635	VRS-TVUDOOOJ	S	0 1/10W Metal Oxide	AA
R 0638	VRS-W3DB561J	S	560 2W Metal Oxide	AA
R 0640	RR-XZ0216BMZZ	S	22 1/2W Fuse Resistor	AB
R 0641	VRD-RA2HD470J	S	47 1/4W Carbon	AA
R 0642	VRD-RA2BE104J	S	100K 1/8W Carbon	AA
R 0643	VRS-LU3DB222J	S	2.2K 2W Metal Oxide	AB
R 0703	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA
R 0704	VRD-RA2HD564J	S	560K 1/2W Carbon	AC
R 0705	VRD-RA2HD564J	S	560K 1/2W Carbon	AC

REF. NO	PARTS	*	DESCRIPTION	CODE
R 0706	VRN-W3ABR27J	J	0.27 1W Metal Film	AA
R 0707	VRS-TV1JD221J	S	220 1/1OW Metal Oxide	AA
R 0708	VRD-RA2HD391J	S	390 1/2W Carbon	AA
R 0709	VRS-TV1JD330J	S	33 1/1OW Metal Oxide	AA
R 0710	VRD-RA2EE122J	S	1.2K 1/4W Carbon	AA
R 0711	VRD-RA2BE471J	S	470 1/8W Carbon	AA
R 0714	VRS-TV1JD101J	S	100 1/1OW Metal Oxide	AA
R 0715	VRS-TV1JD472F	S	4.7K 1/1OW Metal Oxide	AA
R 0716	VRS-TQ2BD473F	S	47K 1/8W Metal Oxide	AA
R 0717	VRS-TV1JD473J	S	47K 1/1OW Metal Oxide	AA
R 0718	VRS-TQ2BD473F	S	47K 1/8W Metal Oxide	AA
R 0719	VRS-TV1JD152J	S	1.5K 1/1OW Metal Oxide	AA
R 0720	VRS-TV1JD223J	S	22K 1/1OW Metal Oxide	AA
AR 0721	VRC-UA2HG825K	S	8.2M 1/2W Solid	AA
AR 0722	VRC-UA2HG825K	S	8.2M 1/2W Solid	AA
R 0723	VRS-TV1JD561J	S	560 1/1OW Metal Oxide	AA
R 0727	VRD-RA2BE102J	S	1K 1/8W Carbon	AA
R 0732	VRS-TV1JD104J	S	100K 1/1OW Metal Oxide	AA
R 0733	VRS-TV1JD104J	S	100K 1/1OW Metal Oxide	AA
R 0734	VRD-RA2BE103J	S	10K 1/8W Carbon	AA
R 0735	VRD-RA2HD124J	S	120K 1/2W Carbon	AA
R 0736	VRD-RA2HD124J	S	120K 1/2W Carbon	AA
R 0740	VRD-RA2HD104J	S	100K 1/2W Carbon	AA
R 0741	VRS-W3AB563J	S	56K 1W Metal Oxide	AA
R 0742	VRS-W3AB563J	S	56K 1W Metal Oxide	AA
R 0743	VRD-RA2H0104J	S	100K 1/2W Carbon	AA
R 0744	VRS-TV1JD223J	S	22K 1/1OW Metal Oxide	AA
R 0745	VRS-TV1JD223J	S	22K 1/1OW Metal Oxide	AA
R 0746	VRN-LU3LB5R6J	S	5.6 3W Metal Film	AB
R 0747	VRN-W3LBR56J	S	0.56 3W Metal Film	AB
R 0748	VRS-TV1JD102J	S	1K 1/1OW Metal Oxide	AA
R 0802	VRS-TQ2BD473J	S	47K 1/8W Metal Oxide	AA
R 0803	VRS-TQ2BD184J	S	180K 1/8W Metal Oxide	AA
R 1001	VRS-TV1JD472J	S	4.7K 1/1OW Metal Oxide	AA
R 1002	VRS-TV1JD472J	S	4.7K 1/10W Metal Oxide	AA
R 1003	VRS-TV1JD272J	S	2.7K 1/10W Metal Oxide	AA
R 1004	VRS-TV1JD152J	S	1.5K 1/10W Metal Oxide	
R 1005	VRD-RA2BE101J	S	100 1/8W Carbon	AA
R 1006	[illegible]	S	3.3K 1/10W Metal Oxide	
R 1007	VRS-TV1JD223J	S	22K 1/10W Metal Oxide	AA
R 1008	VRD-RA2BE182J	S	1.8K 1/8W Carbon	AA
R 1009	VRD-RA2BE821J	S	820 1/8W Carbon	AA
R 1010	VRD-RA2BE182J	S	1.8K 1/8W Carbon	AA
R 1011	VRD-RA2BE332J	S	3.3K 1/8W Carbon	AA
R 1012	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 1013	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 1014	VRD-RA2BE101J	S	100 1/8W Carbon	AA
R 1016	VRS-TV1JD272J	S	2.7K 1/10W Metal Oxide	AA
R 1017	VRD-RA2BE101J	S	100 1/8W Carbon	AA
R 1018	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 1019	VRS-TV1JD822J	S	8.2K 1/10W Metal Oxide	AA
R 1020	VRS-TV1JD472J	S	4.7K 1/10W Metal Oxide	AA
R 1021	VRD-RA2BE473J	S	47K 1/8W Carbon	AA
R 1022	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA
R 1024	VRS-TV1JD223J	S	22K 1/10W Metal Oxide	AA
R 1025	VRD-RA2BE103J	S	10K 1/8W Carbon	AA
R 1026	VRS-TV1JD822J	S	8.2K 1/10W Metal Oxide	AA
R 1027	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 1028	VRD-RA2BE101J	S	100 1/8W Carbon	AA
R 1029	VRD-RA2BE101J	S	100 1/8W Carbon	AA
R 1031	VRS-TV1JD822J	S	8.2K 1/10W Metal Oxide	AA
R 1032	VRS-TV1JD822J	S	8.2K 1/10W Metal Oxide	AA
R 1048	VRD-RA2HD563J	S	56K 1/2W Carbon	AA
R 1056	VRS-TV1JD473J	S	47K 1/10W Metal Oxide	AA
R 1057	VRS-TVUDOOOJ	S	0 1/10W Metal Oxide	AA
R 1072	VRS-TV1JD332J	S	3.3K 1/10W Metal Oxide	AA
R 1073	VRS-TV1JD332J	S	3.3K 1/10W Metal Oxide	AA
R 1075	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 1077	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 1078	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 1079	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA
R 1080	VRD-RA2BE331J	S	330 1/8W Carbon	AA

REF. NO	PARTS	*	DESCRIPTION	CODE
R 1081	VRD-RA2BE331J	S	330 1/8W Carbon	AA
R 1082	VRD-RA2BE331J	S	330 1/8W Carbon	AA
R 1083	VRS-TV1JD331J	S	330 1/10W Metal Oxide	AA
R 1084	VRS-TV1JD331J	S	330 1/10W Metal Oxide	AA
R 1085	VRS-TV1JD331J	S	330 1/10W Metal Oxide	AA
R 1086	VRS-TV1JD331J	S	330 1/10W Metal Oxide	AA
R 1087	VRS-TV1JD331J	S	330 1/10W Metal Oxide	AA
R 1103	VRD-RA2BE561J	S	560 1/8W Carbon	AA
R 1105	VRS-TV1JD473J	S	47K 1/10W Metal Oxide	AA
R 1106	VRS-TV1JD223J	S	22K 1/10W Metal Oxide	AA
R 1107	VRS-TV1JD272J	S	2.7K 1/10W Metal Oxide	AA
R 1108	VRS-TV1JD473J	S	47K 1/10W Metal Oxide	AA
R 1109	VRS-TV1JD473J	S	47K 1/10W Metal Oxide	AA
R 1110	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA
R 1111	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA
R 1113	VRS-TV1JD182J	S	1.8K 1/10W Metal Oxide	AA
R 1114	VRS-TV1JD472J	S	4.7K 1/10W Metal Oxide	AA
R 1115	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA
R 1116	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA
R 1117	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA
R 1118	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA
R 1119	VRS-TV1JD223J	S	22K 1/10W Metal Oxide	AA
R0626	VRS-LU3LB391J	S	390 3W Metal Oxide	AB
RA 0702	VRS-W3DB153J	S	15K 2W Metal Oxide	AA
RB 0702	VRS-W3DB153J	S	15K 2W Metal Oxide	AA
RC0702	VRS-W3DB153J	S	15K 2W Metal Oxide	AA
C 0203	VRS-TVUDOOOJ	S	0 1/10W Metal Oxide	AA
C 0241	VRS-TVUDOOOJ	S	0 1/10W Metal Oxide	AA
C 0734	VRS-TVUDR68J	S	0.68 1/10W Metal Oxide	AA
D 0330	VRS-TQ2BDOOOJ	S	Jumper	AA
D 0331	VRS-TQ2BDOOOJ	S	Jumper	AA
J 0090	VRS-TV1JD222J	S	2.2K 1/10W Metal Oxide	AA
Q 0203	VRS-TV1JD15U	S	150 1/10W Metal Oxide	AA
Q 0204	VRS-TVUDOOOJ	S	0 1/10W Metal Oxide	AA
Q 0207	VRS-TVUDOOOJ	S	0 1/10W Metal Oxide	AA
Q 0607	VRS-TVUDOOOJ	S	0 1/10W Metal Oxide	AA

MISCELLANEOUS PARTS

REF. NO	PARTS	*	DESCRIPTION	CODE
	QFSHD1009CEZZ	S	Fuse Holder	AB
	QFSHD1010CEZZ	S	Fuse Holder	AA
AF 0601	QFS-J2521CEZZ	S	Fuse 2.5A 125V	AD
AF 0602	QFS-J2521CEZZ	S	Fuse 2.5A 125V	AD
AF 0701	QFS-C3226CEZZ	S	Fuse 3.15A 250V	AE
AS 0701	QSW-P0600BMZZ	S	Power Switch	AL
S 1001	QSW-K0079GEZZ	S	Switch	AB
S 1002	QSW-K0079GEZZ	S	Switch	AB
S 1003	QSW-K0079GEZZ	S	Switch	AB
S 1004	QSW-K0079GEZZ	S	Switch	AB
	RRMCU0203BMZZ	S	R/C Receiver	
J 0301	QJAKJ0047CEZZ	S	Earphone Jack	AQ
LP1001	RLAMP0001BMZZ	S	Neon	AC
(A)	QPLGN0304CEZZ	S	Connector	AB
(CV)	RCORF0002BMZZ	S	Ferrite	AK
(FH)	QPLGN0304CEZZ	S	Connector	AB
(FV)	QPLGN0304CEZZ	S	Connector	AB
(G)	QPLGN0207CEZZ	S	Connector	AA
(H)	QPLGN0441CEZZ	S	Connector 4pin	AB
(KA)	RCORF0002BMZZ	S	Ferrite	AK
(L2)	QTIPM0017CEFM	S	TIP	AA
(RG)	QPLGN0441CEZZ	S	Connector 4pin	AB
(S)	QPLGN0441CEZZ	S	Connector 4pin	AB
(SV)	QSOCN1067BMZZ	S	Connector	AE
(VA)	QSOCN0284FJZZ	S	Socket 20pin	AG
(VB)	RCORF0002BMZZ	S	Ferrite	AK
(YA)	QSOCN0284FJZZ	S	Socket 20pin	AG
(YB)	QSOCN0284FJZZ	S	Socket 20pin	AG
FB 0201	RBLN-0037CEZZ	S	Ferrite Bead	AB
FB 0202	RBLN-0037CEZZ	S	Ferrite Bead	AB
FB 0401	RBLN-0037CEZZ	S	Ferrite Bead	AB
FB 0601	RBLN-0037CEZZ	S	Ferrite Bead	AB
FB 0602	RBLN-0020CEZZ	S	Ferrite Bead	AB

REF. NO	PARTS	*	DESCRIPTION	CODE
FB 0701	RBLN-0037CEZZ	S	Ferrite Bead	AB
FB 0702	RBLN-0037CEZZ	S	Ferrite Bead	AB
FB 0703	RBLN-0037CEZZ	S	Ferrite Bead	AB
FB 0704	RBLN-0037CEZZ	S	Ferrite Bead	AB
FB1001	RCORF0003GEZZ	S	Ferrite	AC
FB1002	RCORF0003GEZZ	S	Ferrite	AC
FB1003	RBLN-0037CEZZ	S	Ferrite Bead	AB
1C 1004	QSOCZ2051SC32	S	Socket 32 PIN •	AC

PWB-B SOCKET UNIT

REF. NO	PARTS	*	DESCRIPTION	CODE
			INTEGRATED CIRCUITS	
1C 1801	RH-IX1416BMZZ	S	TEA5101A	AN
			TRANSISTORS	
Q 1840	VS2SC2412KQ-1	S	2SC2412	AA
Q 1841	VS2SA1037KQ-1	S	BC807	AA
			DIODES	
D 1810	VHDDAN202K/-1	S	DAN 202K	AA
D 1811	VHDDAN202K/-1	S	DAN 202K	AA
D 1820	VHDDAN202K/-1	S	DAN 202K	AA
D 1821	VHDDAN202K/-1	S	DAN 202K	AA
D 1830	VHDDAN202K/-1	S	DAN 202K	AA
D 1831	VHDDAN202K/-1	S	DAN 202K	AA
D 1840	VHDDAN202K/-1	S	DAN 202K	AA
D 1841	VHDDAN202K/-1	S	DAN 202K	AA
D 1842	VHDDAN202K/-1	S	DAN 202K	AA
			COILS	
L 1801	VP-CF3R3KOOOO	S	3.3uH	AB
R 1871	VP-XF3R3KOOOO	S	3.3uH	AB
			CAPACITORS	
C 1801	RC-KZ0029CEZZ	S	0.01 250V Ceramic	AC
C 1802	VCEAGH2EW107M	S	100 250V Electrolytic	AK
C 1803	VCKYTV1HB103K	S	0.01 50V Ceramic	AA
C 1804	VCEAGA1CW106M	S	10 16V Electrolytic	AA
C 1805	RC-KZ0029CEZZ	S	0.01 250V Ceramic	AC
C 1810	VCKYTV1HB102K	S	1000p 50V Ceramic	AA
C 1811	VCCCTV1HH100D	S	10p 50V Ceramic	AA
C 1820	VCKYTV1HB102K	S	1000p 50V Ceramic	AA
C 1821	VCCCTV1HH6R8D	S	6.8p 50V Ceramic	AA
C 1830	VCKYTV1HB102K	S	1000p 50V Ceramic	AA
C 1831	VCCCTV1HH150J	S	15p 50V Ceramic	AA
C 1840	VCEAGA1CW475M	S	4.7 16V Electrolytic	AA
C 1841	VCEAGA1CW476M	S	47 16V Electrolytic	AB
C 1877	RC-KZ0023CEZZ	S	4700p 2KV Ceramic	AD
C 1878	RC-FZ9334BMNJ	J	0.33 63V Mylar	AC
			RESISTORS	
R 1810	VRS-TV1JD751J	S	750 1/1OW Metal Oxide	AA
R 1811	VRS-TV1JD162J	S	1.6K 1/1OW Metal Oxide	AA
R 1812	VRD-RA2HD563J	S	56K 1/2W Carbon	AA
R 1813	VRC-MA2HG681J	S	680 1/2W Solid	AB
R 1814	VRS-TV1JD102J	S	1K 1/1OW Metal Oxide	AA
R 1820	VRS-TV1JD751J	S	750 1/1OW Metal Oxide	AA
R 1821	VRS-TV1JD162J	S	1.6K 1/1OW Metal Oxide	AA
R 1822	VRD-RA2HD563J	S	56K 1/2W Carbon	AA
R 1823	VRC-MA2HG681J	S	680 1/2W Solid	AB
R 1824	VRS-TV1JD102J	S	1K 1/1OW Metal Oxide	AA
R 1830	VRS-TV1JD751J	S	750 1/1OW Metal Oxide	AA
R 1831	VRS-TV1JD162J	S	1.6K 1/1OW Metal Oxide	AA
R 1832	VRD-RA2HD563J	S	56K 1/2W Carbon	AA
R 1833	VRC-MA2HG681J	S	680 1/2W Solid	AB
R 1834	VRS-TV1JD102J	S	1K 1/1OW Metal Oxide	AA
R 1840	VRD-RA2BE473J	S	47K 1/8W Carbon	AA
R 1841	VRS-TV1JD103J	S	10K 1/1OW Metal Oxide	AA
R 1842	VRS-TV1JD102J	S	1K 1/1OW Metal Oxide	AA
R 1843	VRS-TV1JD473J	S	47K 1/1OW Metal Oxide	AA
R 1844	VRS-TV1JD102J	S	1K 1/1OW Metal Oxide	AA
R 1845	VRS-TV1JD223J	S	22K 1/1OW Metal Oxide	AA
R 1846	VRS-TV1JD391J	S	390 1/1OW Metal Oxide	AA
R 1847	VRS-TV1JD103J	S	10K 1/1OW Metal Oxide	AA
R 1848	VRS-TV1JD221J	S	220 1/1OW Metal Oxide	AA
R 1849	VRS-TV1JD221J	S	220 1/1OW Metal Oxide	AA
R 1850	VRD-RA2HD101J	S	100 1/2W Carbon	AA
R 1851	VRS-TV1JD221J	S	220 1/1OW Metal Oxide	AA
R 1872	VRG-RL2HB221J	S	220 1/2W Fuse Resistor	AB
R 1873	RR-XZ0017CEZZ	S	10 1/2W Fuse Resistor	AB
R 1875	VRD-RA2BE391J	S	390 1/8W Carbon	AA
R 1876	VRS-TQ2BD125J	S	1.2M 1/8W Metal Oxide	AA
R 1877	VRS-TQ2BD125J	S	1.2M 1/8W Metal Oxide	AA
R 1878	VRS-TQ2BD225J	S	2.2M 1/8W Metal Oxide	AA
			MISCELLANEOUS PARTS	
	QPLGN0441CEZZ	S	Connector	AB
	QPLGN0641CEZZ	S	Connector 4pin	AB
A	QSOCV0919CEZZ	S	C.R.T. Socket	AM
(L2)	QTIPM0017CEFM	S	TIP	AA
(L3)	QTIPM0017CEFM	S	TIP	AA

PWB-C 100HZ UNIT

REF. NO	PARTS	*	DESCRIPTION	CODE
			INTEGRATED CIRCUITS	
1C 6001	RH-IX1616BMZZ	S	VPC3200A	BH
1C 6002	RH-IX1625BMZZ	S	CIP3250A-PS-B1	BA
1C 6101	RH-IX1621BMZZ	S	SDA9290	AZ
1C 6102	RH-IX1666BMZZ	S	SDA9253	BM
1C 6109	RH-IX1620BMZZ	S	SDA9280	BD
1C 6110	RH-IX1626BMZZ	S	SDA9362	AZ
1C 6111	VHITDA4780/-1	S	TDA4780	AZ
1C 6112	RH-IX1617BMZZ	S	SDA9220	AX
			TRANSISTORS	
Q 6006	RH-TX0102BMZZ	S	BC338	AB
Q 6007	VS2SC2412KQ-1	S	2SC2412	AA
Q 6207	VS2SA1037KQ-1	S	BC807	AA
Q 6253	VS2SA1037KQ-1	S	BC807	AA
			DIODES	
D 6251	RH-EX0544BMZZ	S	Zener TZMC4V7	AA
D 6252	RH-DX0551BMZZ	S	LL4148	AA
D 6253	RH-DX0045BMZZ	S	1N4148	AA
D 6254	RH-EX0410BMZZ	S	Zener BZX79C6V2	AB
D 6255	RH-DX0045BMZZ	S	1N4148	AA
D 6256	RH-DX0045BMZZ	S	1N4148	AA
D 6257	RH-EX0544BMZZ	S	Zener TZMC4V7	AA
D 6258	RH-DX0551BMZZ	S	LL4148	AA
D 6259	RH-EX0413BMZZ	S	Zener BZX79C8V2	AB
D 6260	RH-DX0045BMZZ	S	1N4148	AA
D 6262	RH-DX0551BMZZ	S	LL4148	AA
D 6263	RH-DX0551BMZZ	S	LL4148	AA
			PACKADGED CIRCUITS	
CF 6251	RCRSB0224BMZZ	S	Crystal 12MHz	AK
X 6001	RCRSB0219BMZZ	S	Crystal 20.25 MHz	AH
X 6101	RCRSB0234BMZZ	S	Crystal 6.75 MHz	AG
			COILS	
FB 6201	RCILP0110CEZZ	S	3.3uH	AD
FB 6203	VP-DF1ROMOOOO	S	1uH	AB

REF. NO	PARTS	*	DESCRIPTION	CODE
L 6001	VP-NM2R2MR16N	S	2.2^H	AC
L 6002	VP-NM2R2MR16N	S	2.2^H	AC
L 6003	VP-NM3R3MR19N	S	3.3^H	AC
L 6004	VP-NM3R3MR19N	S	3.3^H	AC
L 6005	VP-NM3R3MR19N	S	3.3pH	AC
L 6006	VP-NM3R3MR19N	S	3.3pH	AC
L 6007	VP-NM3R3MR19N	S	3.3pH	AC
L 6008	VP-NM3R3MR19N	S	3.3pH	AC
L 6009	VP-NM3R3MR19N	S	3.3pH	AC
L 6010	VP-NM3R3MR19N	S	3.3^H	AC
L 6011	VP-NM100KR42N	S	10^H	AC
L 6012	VP-NM3R3MR19N	S	3.3^H	AC
L 6013	VP-NM3R3MR19N	S	3.3pH	AC
L 6014	VP-NM3R3MR19N	S	3.3pH	AC
L 6015	VP-NM1ROMR10N	S	1^H	AB
L 6016	VP-NM1ROMR10N	S	1^H	AB
L 6017	VP-NM1ROMR10N	S	1^H	AB
L 6101	VP-NM100KR42N	S	10^iH	AC
L 6103	VP-NM100KR42N	S	10[JH	AC
L 6105	VP-NM1ROMR10N	S	1|JH	AB
L 6205	VP-NM100KR42N	S	IOLIH	AC
L 6206	VP-NM100KR42N	S	10^iH	AC
L 6207	VP-NM100KR42N	S	10^H	AC
L 6211	VP-NM100KR42N	S	10^H	AC
L 6212	VP-NM1ROMR10N	S	1pH	AB
L 6251	VP-NM3R3MR19N	S	3.3pH	AC
L 6252	VP-NM100KR42N	S	10pH	AC

CAPACITORS

REF. NO	PARTS	*	DESCRIPTION	CODE
C 6001	VCCCTV1HH470J	S	47p 50V Ceramic	AA
C 6002	VCCCTV1HH680J	S	68p 50V Ceramic	AA
C 6003	VCCCTV1HH330J	S	33p 50V Ceramic	AA
C 6004	VCKYTV1 EF334Z	S	0.33 25V Ceramic	AB
• C 6005	VCCCTV1HH330J	S	33p 50V Ceramic	AA
C 6006	VCCCTV1HH470J	S	47p 50V Ceramic	AA
C 6007	VCCCTV1HH391J	S	390p 50V Ceramic	AA
C 6008	VCCCTV1HH680J	S	68p 50V Ceramic	AA
C 6009	VCCCTV1HH331J	S	330p 50V Ceramic	AA
C 6010	VCCCTV1HH391J	S	390p 50V Ceramic	AA
C 6011	VCCCTV1HH3R3C	S	3.3p 50V Ceramic	AA
C 6012	VCCCTV1HH3R3C	S	3.3p 50V Ceramic	AA
C 6013	VCEAHA1AN107M	S	100 10V Electrolytic	AB
C 6014	VCKYTV1 HF103Z	S	0.01 50V Ceramic	AA
C 6015	VCEAHA1AN107M	S	100 10V Electrolytic	AB
C 6016	VCKYTV1 HF103Z	S	0.01 50V Ceramic	AA
C 6017	VCCCTV1HH331J	S	330p 50V Ceramic	AA
C 6018	VCKYTV1 HB102K	S	1000p 50V Ceramic	AA
C 6019	VCEAHA1HN106M	S	10 50V Electrolytic	AB
C 6020	VCKYTV1 HF104Z	S	0.1 50V Ceramic	AA
C 6021	VCKYTV1 HF473Z	S	0.047 50V Ceramic	AA
C 6022	VCEAHA1HN106M	S	10 50V Electrolytic	AB
C 6023	VCEAHA1HN105M	S	1 50V Electrolytic	AB
C 6025	VCEAHA1HN105M	S	1 50V Electrolytic	AB
C 6026	VCKYTV1 HF103Z	S	0.01 50V Ceramic	AA
C 6027	VCKYTV1 HF103Z	S	0.01 50V Ceramic	AA
C 6028	VCEAHA1HN105M	S	1 50V Electrolytic	AB
C 6029	VCKYTV1 HF104Z	S	0.1 50V Ceramic	AA
C 6030	VCEAHA1HN106M	S	10 50V Electrolytic	AB
C 6031	VCKYTV1 EF334Z	S	0.33 25V Ceramic	AB
C 6032	VCEAHAOJN397M	S	390 6.3V Electrolytic	AC
C 6033	VCKYTV1 HF103Z	S	0.01 50V Ceramic	AA
C 6034	VCKYTV1 HF103Z	S	0.01 50V Ceramic	AA
C 6101	VCKYTV1 HF104Z	S	0.1 50V Ceramic	AA
C 6102	VCKYTV1 HF104Z	S	0.1 50V Ceramic	AA
C 6103	VCKYTV1 HF104Z	S	0.1 50V Ceramic	AA
C 6104	VCKYTV1 HF104Z	S	0.1 50V Ceramic	AA
C 6105	VCKYTV1 HF104Z	S	0.1 50V Ceramic	AA
C 6108	VCEAHAOJN107M	S	100 6.3V Electrolytic	AB
C 6109	VCEAHA1HN106M	S	10 50V Electrolytic	AB
C 6110	VCKYTV1 HF104Z	S	0.1 50V Ceramic	AA
C 6112	VCKYTV1 HF104Z	S	0.1 50V Ceramic	AA

REF. NO	PARTS	*	DESCRIPTION	CODE
C 6118	VCCCTV1HH101J	S	100p 50V Ceramic	AA
C 6119	VCKYTV1 HB152K	S	1500p 50V Ceramic	AA
C 6120	VCEAHAOJN227M	S	220 6.3V Electrolytic	AB
C 6121	VCCCTV1HH330J	S	33p 50V Ceramic	AA
C 6122	VCCCTV1HH330J	S	33p 50V Ceramic	AA
C 6123	VCCCTV1HH150J	S	15p 50V Ceramic	AA
C 6124	VCCCTV1HH150J	S	15p 50V Ceramic	AA
C 6201	VCKYTV1 HF104Z	S	0.1 50V Ceramic	AA
C 6202	VCKYTV1 HF104Z	S	0.1 50V Ceramic	AA
C 6203	VCKYTV1 HF104Z	S	0.1 50V Ceramic	AA
C 6204	VCKYTV1 HF104Z	S	0.1 50V Ceramic	AA
C 6205	VCCCTV1HH101J	S	100p 50V Ceramic	AA
C 6206	VCKYTV1 HB152K	S	1500p 50V Ceramic	AA
C 6209	VCEAHA1CN476M	S	47 16V Electrolytic	AB
C 6210	VCKYTV1 HF103Z	S	0.01 50V Ceramic	AA
C 6211	VCKYTV1 HF104Z	S	0.1 50V Ceramic	AA
C 6212	VCKYTV1 HF104Z	S	0.1 50V Ceramic	AA
C 6213	VCKYTV1 HF104Z	S	0.1 50V Ceramic	AA
C 6214	VCKYTV1 HF104Z	S	0.1 50V Ceramic	AA
C 6215	VCKYTV1 HF104Z	S	0.1 50V Ceramic	AA
C 6218	VCCCTV1HH101J	S	100p 50V Ceramic	AA
C 6221	VCCCTV1HH121J	S	120p 50V Ceramic	AA
C 6222	VCCCTV1HH101J	S	100p 50V Ceramic	AA
. C 6229	VCKYTV1 HF223Z	S	0.022 50V Ceramic	AA
C 6230	VCKYTV1 HF104Z	S	0.1 50V Ceramic	AA
C 6231	VCKYTV1 HF223Z	S	0.022 50V Ceramic	AA
C 6232	VCKYTV1 HF103Z	S	0.01 50V Ceramic	AA
C 6233	VCEAHA1CN476M	S	47 16V Electrolytic	AB
C 6234	VCKYTV1 EF224Z	S	0.22 25V Ceramic	AA
C 6235	VCKYTV1 EF224Z	S	0.22 25V Ceramic	
C 6236	VCKYTV1 EF224Z •	S	0.22 25V Ceramic	AA
C 6245	VCCCTV1HH270J	S	27p 50V Ceramic	AA
C 6246	VCCCTV1HH270J	S	27p 50V Ceramic	AA
C 6247	VCKYTV1 HB152K	S	1500p 50V Ceramic	AA
C 6248	VCCCTV1HH101J	S	100p 50V Ceramic	AA
C 6249	VCEAHA1HN106M	S	10 50V Electrolytic	AB
C 6250	VCKYTV1 HF104Z	S	0.1 50V Ceramic	AA
C 6251	VCKYTV1 HF473Z	S	0.047 50V Ceramic	AA
C 6252	VCEAHA1HN106M	S	10 50V Electrolytic	AB
C 6253	VCKYTV1 HF104Z	S	0.1 50V Ceramic	AA
C 6256	VCKYTV1 EF224Z	S	0.22 25V Ceramic	AA
C 6257	VCKYTV1 EF224Z	S	0.22 25V Ceramic	AA
C 6258	VCKYTV1 EF224Z	S	0.22 25V Ceramic	AA
C 6259	VCEAHA1HN105M	S	1 50V Electrolytic	AB
C 6260	VCEAHA1HN106M	S	10 50V Electrolytic	AB
C 6261	VCEAHA1HN475M	S	4.7 50V Electrolytic	AB
C 6262	VCKYTV1 HF103Z	S	0.01 50V Ceramic	AA
C 6263	VCEAHA1AN337M	S	330 10V Electrolytic	AC
C 6264	VCCCTV1 HH220J	S	22p 50V Ceramic	AA
C 6265	VCCCTV1 HH220J	S	22p 50V Ceramic	AA
C 6266	VCCCTV1 HH220J	S	22p 50V Ceramic	AA
C 6267	VCEAHA1HN106M	S	10 50V Electrolytic	AB
C 6268	VCKYTV1 HF104Z	S	0.1 50V Ceramic	AA
C 6269	VCKYTV1 HF104Z	S	0.1 50V Ceramic	AA
C 6270	VCKYTV1 HF104Z	S	0.1 50V Ceramic	AA
C 6271	VCCCTV1 HH221J	S	220p 50V Ceramic	AA

RESISTORS

REF. NO	PARTS	*	DESCRIPTION	CODE
R 6004	VRS-TV1JD101J	S	100 1/1OW Metal Oxide	AA
R 6011	VRS-TV1JD101J	S	100 1/1OW Metal Oxide	AA
R 6012	VRS-TV1JD101J	S	100 1/1OW Metal Oxide	AA
R 6013	VRS-TV1JD471J	S	470 1/1OW Metal Oxide	AA
R 6016	VRS-TV1JD182J	S	1.8K 1/1OW Metal Oxide	AA
R 6017	VRS-TV1JD101J	S	100 1/1OW Metal Oxide	AA
R 6018	VRS-TV1JD101J	S	100 1/1OW Metal Oxide	AA
R 6019	VRS-TV1JD101J	S	100 1/1OW Metal Oxide	.AA
R 6020	VRS-TV1JD101J	S	100 1/1OW Metal Oxide	AA
R 6031	VRS-TV1JD152J	S	1.5K 1/1OW Metal Oxide	AA
R 6032	VRS-TV1JD102J	S	1K 1/1OW Metal Oxide	AA
R 6033	VRS-TV1JD331J	S	330 1/1OW Metal Oxide	AA
R 6100	VRS-TV1JD101J	S	100 1/1OW Metal Oxide	AA

REF. NO	PARTS	*	DESCRIPTION	CODE
R 6101	VRS-TV1JD101J	S	100 1/1OW Metal Oxide	AA
R 6102	VRS-TV1JD101J	S	100 1/1OW Metal Oxide	AA
R 6103	VRS-TV1JD101J	S	100 1/1OW Metal Oxide	AA
R 6104	VRS-TV1JD101J	S	100 1/1OW Metal Oxide	AA
R 6105	VRS-TV1JD101J	S	100 1/1OW Metal Oxide	AA
R 6122	VRS-TV1JD101J	S	100 1/1OW Metal Oxide	AA
R 6123	VRS-TV1JD101J	S	100 1/1OW Metal Oxide	AA
R 6124	VRS-TV1JD101J	S	100 1/1OW Metal Oxide	AA
R 6125	VRS-TV1JD101J	S	100 1/1OW Metal Oxide	AA
R 6126	VRS-TV1JD101J	S	100 1/1OW Metal Oxide	AA
R 6127	VRS-TV1JD101J	S	100 1/1OW Metal Oxide	AA
R 6128	VRS-TV1JD101J	S	100 1/1OW Metal Oxide	AA
R 6129	VRS-TV1JD101J	S	100 1/1OW Metal Oxide	AA
R 6130	VRS-TV1JD101J	S	100 1/1OW Metal Oxide	AA
R 6131	VRS-TV1JD101J	S	100 1/1OW Metal Oxide	AA
R 6132	VRS-TV1JD101J	S	100 1/1OW Metal Oxide	AA
R 6135	VRS-TV1JD101J	S	100 1/1OW Metal Oxide	AA
R 6136	VRS-TV1JD101J	S	100 1/1OW Metal Oxide	AA
R 6137	VRS-TV1JD101J	S	100 1/1OW Metal Oxide .	AA
R 6138	VRS-TV1JD101J	S	100 1/1OW Metal Oxide	AA
R 6139	VRS-TV1JD101J	S	100 1/1OW Metal Oxide	AA
R 6140	VRS-TV1JD101J	S	100 1/1OW Metal Oxide	AA
R 6141	VRS-TV1JD101J	S	100 1/1OW Metal Oxide	AA
R 6142	VRS-TV1JD101J	S	100 1/1OW Metal Oxide	AA
R 6143	VRS-TV1JD101J	S	100 1/1OW Metal Oxide	AA
R 6144	VRS-TV1JD101J	S	100 1/1OW Metal Oxide	AA
R 6145	VRS-TV1JD101J	S	100 1/1OW Metal Oxide	AA
R 6146	VRS-TV1JD101J	S	100 1/1OW Metal Oxide	AA
R 6147	VRS-TV1JD101J	S	100 1/1OW Metal Oxide	AA
R 6148	VRS-TV1JD101J	S	100 1/1OW Metal Oxide	AA
R 6149	VRS-TV1JD101J	S	100 1/1OW Metal Oxide	AA
R 6150	VRS-TV1JD101J	S	100 1/1OW Metal Oxide	AA
R 6151	VRS-TV1JD101J	S	100 1/1OW Metal Oxide	AA
R 6152	VRS-TV1JD101J	S	100 1/1OW Metal Oxide	AA
R 6153	VRS-TV1JD101J	S	100 1/1OW Metal Oxide	AA
R 6154	VRS-TV1JD101J	S	100 1/1OW Metal Oxide	AA
R 6156	VRS-TV1JD101J	S	100 1/1OW Metal Oxide	AA
R 6157	VRS-TV1JD101J	S	100 1/1OW Metal Oxide	AA
R 6158	VRS-TV1JD101J	S	100 1/1OW Metal Oxide	AA
R 6159	VRS-TV1JD101J	S	100 1/1OW Metal Oxide	AA
R 6160	VRS-TV1JD101J	S	100 1/1OW Metal Oxide	AA
R 6161	VRS-TV1JD101J	S	100 1/1OW Metal Oxide	AA
R 6201	VRS-TV1JD122J	S	1.2K 1/1OW Metal Oxide	AA
R 6202	VRS-TV1JD133J	S	13K 1/1OW Metal Oxide	AA
R 6203	VRS-TV1JD103J	S	10K 1/1OW Metal Oxide	AA
R 6251	VRS-TV1JD392J	S	3.9K 1/1OW Metal Oxide	AA
R 6252	VRS-TV1JD182J	S	1.8K 1/1OW Metal Oxide	AA
R 6253	VRS-TV1JD332J	S	3.3K 1/1OW Metal Oxide	AA
R 6254	VRS-TV1JD102J	S	1K 1/1OW Metal Oxide	AA
R 6255	VRS-TV1JD222J	S	2.2K 1/1OW Metal Oxide	AA
R 6256	VRS-TV1JD222J	S	2.2K 1/1OW Metal Oxide	AA
R 6259	VRS-TV1JD101J	S	100 1/1OW Metal Oxide	AA
R 6260	VRS-TV1JD101J	S	100 1/1OW Metal Oxide	AA
R 6261	VRS-TV1JD103J	S	10K 1/1OW Metal Oxide	AA
R 6262	VRS-TV1JD472J	S	4.7K 1/1OW Metal Oxide	AA
R 6263	VRS-TV1JD273J	S	27K 1/1OW Metal Oxide	AA
R 6265	VRS-TV1JD182J	S	1.8K 1/1OW Metal Oxide	AA
R 6266	VRS-TV1JD272J	S	2.7K 1/10W Metal Oxide	AA
R 6267	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 6268	VRS-TV1JD472J	S	4.7K 1/10W Metal Oxide	AA
R 6269	VRS-TV1JD393J	S	39K 1/10W Metal Oxide	AA
R 6270	VRS-TV1JD393J	S	39K 1/10W Metal Oxide	AA
R 6271	VRS-TV1JD393J	S	39K 1/10W Metal Oxide	AA
R 6272	VRS-TV1JD223J	S	22K 1/10W Metal Oxide	AA
R 6273	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 6274	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 6275	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 6276	VRS-TV1JD222J	S	2.2K 1/10W Metal Oxide	AA
R 6277	VRS-TV1JD151J	S	150 1/10W Metal Oxide	AA
R 6278	VRS-TV1JD151J	S	150 1/10W Metal Oxide	AA
R 6279	VRS-TVUDOOOJ	S	0 1/10W Metal Oxide	AA
R 6280	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA

REF. NO	PARTS	*	DESCRIPTION	CODE
R 6281	VRS-TV1JD333J	S	33K 1/10W Metal Oxide	AA
R 6282	VRS-TV1JD333J	S	33K 1/10W Metal Oxide	AA
R 6283	VRS-TV1JD682J	S	6.8K 1/10W Metal Oxide	AA
R 6284	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA
R 6285	VRS-TV1JD152J	S	1.5K 1/10W Metal Oxide	AA
R 6286	VRS-TV1JD132J	S	1.3K 1/10W Metal Oxide	AA
R 6287	VRS-TV1JD122J	S	1.2K 1/10W Metal Oxide	AA
R 6288	VRS-TV1JD151J	S	150 1/10W Metal Oxide	AA
R 6290	VRS-TV1JD750J	S	75 1/10W Metal Oxide	AA
R 6291	VRS-TV1JD820J	S	82 1/10W Metal Oxide	AA
R 6293	VRS-TV1JD221J	S	220 1/10W Metal Oxide	AA
R 6294	VRS-TV1JD151J	S	150 1/10W Metal Oxide	AA
R 6295	VRS-TV1JD155J	S	1.5M 1/10W Metal Oxide	AA
R 6297	VRS-TV1JD392J	S	3.9K 1/10W Metal Oxide	AA
R 6298	VRS-TV1JD392J	S	3.9K 1/10W Metal Oxide	AA
C 6223	VRS-TVUDOOOJ	S	0 1/10W Metal Oxide	AA
L 6106	VRS-TQ2BD102J	S	1K 1/8W Metal Oxide	AA

MISCELLANEOUS PARTS

(CV)	QPLGN1141CEZZ	S	Connector	AC
(KA)	QPLGN0641CEZZ	S	Connector	AB
(RGB)	QPLGN0441CEZZ	S	Connector 4pin	AB
(YA)	QPLGN0285FJZZ	S	Connector	• AG
(YB)	QPLGN0285FJZZ	S	Connector	AG
FB 6001	RBLN-0037CEZZ	S	Ferrite Bead	AB
FB 6002	RBLN-0020CEZZ	S	Ferrite Bead	AB
FB6101	RBLN-0037CEZZ	S	Ferrite Bead	AB
FB6102	RCORF0003GEZZ	S	Ferrite	AC

PWB-D A/V UNIT

INTEGRATED CIRCUITS

1C 2400	RH-IX1624BMZZ	S	TEA6420	AP
1C 2401	RH-IX1623BMZZ	S	TDA6920X	AN

TRANSISTORS

Q 2441	VS2SC2412KQ-1	S	2SC2412	AA
Q 2446	VS2SC2412KQ-1	S	2SC2412	AA
Q 2447	VS2SC2412KQ-1	S	2SC2412	AA
Q 2448	VS2SC2412KQ-1	S	2SC2412	AA

DIODES

D 2401	RH-EX0413BMZZ	S	Zener BZX79C8V2	AB
D 2402	RH-EX0413BMZZ	S	Zener BZX79C8V2	AB
D 2403	RH-EX0413BMZZ	S	Zener BZX79C8V2	AB
D 2404	RH-EX0413BMZZ	S	Zener BZX79C8V2	AB
D 2406	RH-EX0413BMZZ	S	Zener BZX79C8V2	AB
D 2410	RH-EX0409BMZZ	S	Zener BZX79C5V6	AA
D 2411	RH-EX0409BMZZ	S	Zener BZX79C5V6	AA
D 3300	RH-EX0413BMZZ	S	Zener BZX79C8V2	AB
D 3301	RH-EX0413BMZZ	S	Zener BZX79C8V2	AB
D 3302	RH-EX0413BMZZ	S	Zener BZX79C8V2	AB
D 3303	RH-EX0413BMZZ	S	Zener BZX79C8V2	AB
D 3304	RH-EX0413BMZZ	S	Zener BZX79C8V2	AB
D 3305	RH-EX0413BMZZ	S	Zener BZX79C8V2	AB
D 3306	RH-EX0413BMZZ	S	Zener BZX79C8V2	AB
D 3307	RH-EX0413BMZZ	S	Zener BZX79C8V2	AB
D 3314	RH-EX0401BMZZ	S	Zener BZX79C2V7	AA
D 3316	RH-EX0550BMZZ	S	Zener TZMC8V2	AA
D 3317	RH-EX0550BMZ2	S	Zener TZMC8V2	AA

COILS

L 2401	VP-DF100KOOOO	S	10pH	AB
L 2402	VP-XF1ROKOOOO	S	1pH	AB
L 2403	VP-XF1ROKOOOO	S	1|JH	AB

CAPACITORS

REF. NO	PARTS	*	DESCRIPTION	CODE
C 2401	RC-FZ9473BMNJ	J	0.047 63V Mylar	AC
C 2402	VCCSTV1HL101J	S	100p 50V Ceramic	AA
C 2403	RC-FZ9104BMNJ	J	0.1 63V Mylar	AB
C 2404	RC-FZ9104BMNJ	J	0.1 63V Mylar	AB
C 2405	RC-FZ9104BMNJ	J	0.1 63V Mylar	AB
C 2406	VCCCTV1HH100D	S	10p 50V Ceramic	AA
C 2407	VCCCTV1HH100D	S	10p 50V Ceramic	AA
C 2408	RC-FZ9473BMNJ	J	0.047 63V Mylar	AC
C 2409	VCCSTV1HL101J	S	100p 50V Ceramic	AA
C 2410	VCCCTV1HH100D	S	10p 50V Ceramic	AA
C 2411	RC-FZ9104BMNJ	J	0.1 63V Mylar	AB
C 2412	VCCCTV1HH100D	S	10p 50V Ceramic	AA
C 2422	RC-FZ9473BMNJ	J	0.047 63V Mylar	AC
C 2428	VCEAEA1CW226M	S	22 16V Electrolytic	AB.
C 2433	VCKYTV1HF103Z	S	0.01 50V Ceramic	AA
C 2434	VCEAEA1CW107M	S	100 16V Electrolytic	AB
C 2437	VCKZPA1HF103Z	S	0.01 50V Ceramic	AA
C 2438	VCEAEA1CW107M	S	100 16V Electrolytic	AB
C 2440	RC-FZ9104BMNJ	J	0.1 63V Mylar	AB
C 2441	VCKYTV1HB103K	S	0.01 50V Ceramic	AA
C 2442	VCCCTV1HH471J	S	470p 50V Ceramic	AA
C 2443	VCCCTV1HH471J	S	470p 50V Ceramic	AA
C 2444	VCKYTV1EF224Z	S	0.22 25V Ceramic	AA
C 2445	VCKYTV1EF224Z	S	0.22 25V Ceramic	AA
C 3300	VCKYTV1HB102K	S	1000p 50V Ceramic	AA
C 3301	VCKYTV1HB102K	S	1000p 50V Ceramic	AA
C 3302	VCEAEA1CW106M	S	10 16V Electrolytic	AB
C 3303	VCEAEA1CW106M	S	10 16V Electrolytic	AB
C 3304	VCCCTV1HH471J	S	470p 50V Ceramic	AA
C 3305	VCCCTV1HH471J	S	470p 50V Ceramic	AA
C 3306	VCEAEA1AW476M	S	47 10V Electrolytic	AB
C 3307	VCEAEA1AW476M	S	47 10V Electrolytic	AB
C 3308	VCEAEA1CW106M	S	10 16V Electrolytic	AB
C 3309	VCEAEA1CW106M	S	10 16V Electrolytic	AB
C 3310	VCKYTV1HB102K	S	1000p 50V Ceramic	AA
C 3311	VCKYTV1HB102K	S	1000p 50V Ceramic	AA
C 3312	VCCCTV1HH471J	S	470p 50V Ceramic	AA
C 3313	VCCCTV1HH471J	S	470p 50V Ceramic	AA
C 3314	VCEAEA1AW476M	S	47 10V Electrolytic	AB
C 3315	VCEAEA1AW476M	S	47 10V Electrolytic	AB
C 3331	VCCCTV1HH221J	S	220p 50V Ceramic	AA
C 3332	VCCCTV1HH221J	S	220p 50V Ceramic	AA
C 3333	VCCCTV1HH560J	S	56p 50V Ceramic	AA
C 3334	VCCCTV1HH560J	S	56p 50V Ceramic	AA

RESISTORS

REF. NO	PARTS	*	DESCRIPTION	CODE
R 2400	VRD-RA2BE123J	S	12K 1/8W Carbon	AA
R 2401	VRS-TV1JD103J	S	10K 1/1OW Metal Oxide	AA
R 2402	VRD-RA2BE102J	S	1K 1/8W Carbon	AA
R 2403	VRD-RA2EE820J	S	82 1/4W Carbon	AA
R 2404	VRD-RA2EE820J	S	82 1/4W Carbon	AA
R 2405	VRD-RA2EE4R7J	S	4.7 1/4W Carbon	AA
R 2406	VRD-RA2EE820J	S	82 1/4W Carbon	AA
R 2407	VRS-TV1JD471J	S	470 1/1OW Metal Oxide	AA
R 2408	VRS-TV1JD471J	S	470 1/1OW Metal Oxide	AA
R 2409	VRD-RA2EE820J	S	82 1/4W Carbon	AA
R 2410	VRS-TV1JD471J	S	470 1/1OW Metal Oxide	AA
R 2411	VRD-RA2EE820J	S	82 1/4W Carbon	AA
R 2412	VRS-TV1JD471J	S	470 1/1OW Metal Oxide	AA
R 2413	VRS-TV1JD471J	S	470 1/1OW Metal Oxide	AA
R 2414	VRD-RA2BE102J	S	1K 1/8W Carbon	AA
R 2415	VRD-RA2HD680J	S	68 1/2W Carbon	AA
R 2416	VRD-RA2BE123J	S	12K 1/8W Carbon	AA
R 2417	VRS-TV1JD103J	S	10K 1/1OW Metal Oxide	AA
R 2418	VRD-RA2EE820J	S	82 1/4W Carbon	AA
R 2419	VRD-RA2EE4R7J	S	4.7 1/4W Carbon	AA
R 2420	VRD-RA2EE820J	S	82 1/4W Carbon	AA
R 2421	VRS-TV1JD101J	S	100 1/1OW Metal Oxide	AA
R 2422	VRD-RA2BE102J	S	1K 1/8W Carbon	AA
R 2423	VRD-RA2HD680J	S	68 1/2W Carbon	AA
R 2425	VRS-TVTJD103J	S	10K 1/1OW Metal Oxide	AA

REF. NO	PARTS	•*	DESCRIPTION	CODE
R 2436	VRS-TV1JD271J	S	270 1/1OW Metal Oxide	AA
R 2443	VRS-TV1JD101J	S	100 1/1OW Metal Oxide	AA
R 2444	VRS-TVUDOOOJ	S	0 1/1OW Metal Oxide	AA
R 2446	VRS-TV1JD101J	S	100 1/1OW Metal Oxide	AA
R 2447	VRD-RA2BE101J	S	100 1/8W Carbon	AA
R 2448	VRD-RA2BE101J	S	100 1/8W Carbon	AA
R 2449	RR-XZ0104BMZZ	S	2.2 1/3W Fuse Resistor	AB
R 2461	VRS-TV1JD271J	S	270 1/1OW Metal Oxide	AA
R 2462	VRS-TV1JD561J	S	560 1/1OW Metal Oxide	AA
R 2463	VRS-TV1JD561J	S	560 1/1OW Metal Oxide	AA
R 2464	VRS-TV1JD680J	S	68 1/1OW Metal Oxide	AA
R 2471	VRS-TV1JD471J	S	470 1/1OW Metal Oxide	AA
R 3052	VRS-TV1JD152J	S	1.5K 1/1OW Metal Oxide	AA
R 3053	VRS-TV1JD152J	S	1.5K 1/1OW Metal Oxide	AA
R 3300	VRD-RA2BE102J	S	1K 1/8W Carbon	AA
R 3301	VRD-RA2BE102J	S	1K 1/8W Carbon	AA
R 3302	VRS-TV1JD104J	S	100K 1/1OW Metal Oxide	AA
R 3303	VRS-TV1JD102J	S	1K 1/1OW Metal Oxide	AA
R 3304	VRS-TV1JD104J	S	100K 1/1OW Metal Oxide	AA
R 3305	VRS-TV1JD102J	S	1K 1/1OW Metal Oxide	AA
R 3306	VRS-TV1JD104J	S	100K 1/1OW Metal Oxide	AA
R 3307	VRS-TV1JD104J	S	100K 1/1OW Metal Oxide	AA
R 3308	VRS-TV1JD101J	S	100 1/1OW Metal Oxide	AA
R 3309	VRS-TV1JD101J	S	100 1/1OW Metal Oxide	AA
R 3312	VRD-RA2BE102J	S	1K 1/8W Carbon	AA
R 3313	VRD-RA2BE102J	S	1K 1/8W Carbon	AA
R 3314	VRS-TV1JD104J	S	100K 1/1OW Metal Oxide	AA
R 3315	VRS-TV1JD104J	S	100K 1/1OW Metal Oxide	AA
R 3316	VRD-RA2BE102J	S	1K 1/8W Carbon	AA
R 3317	VRD-RA2BE102J	S	1K 1/8W Carbon	AA
R 3318	VRS-TV1JD104J	S	100K 1/1OW Metal Oxide	AA
R 3319	VRS-TV1JD101J	S	100 1/1OW Metal Oxide	AA
R 3320	VRS-TV1JD101J	S	100 1/1OW Metal Oxide	AA
R 3321	VRS-TV1JD104J	S	100K 1/1OW Metal Oxide	AA
R 3346	VRS-TV1JD101J	S	100 1/1OW Metal Oxide	AA
R 3347	VRS-TV1JD101J	S	100 1/1OW Metal Oxide	AA
R 3348	VRS-TV1JD101J	S	100 1/1OW Metal Oxide	AA
R 3349	VRS-TV1JD101J	S	100 1/1OW Metal Oxide	AA
J 0057	VRS-TQ2BDOOOJ	S	Jumper	AA
J 0058	VRS-TQ2BDOOOJ	S	Jumper	AA
J 0059	VRS-TQ2BDOOOJ	S	Jumper	AA
Q 2443	VRS-TVUDOOOJ	S	0 1/1OW Metal Oxide	AA

MISCELLANEOUS PARTS

REF. NO	PARTS	*	DESCRIPTION	CODE
(CV)	QPLGN1142CEZZ	S	Connector	AD
(VA)	QPLGN0285FJZZ	S	Connector	AG
FB 3300	RBLN-0037CEZZ	S	Ferrite Bead	AB
FB 3301	RBLN-0037CEZZ	S	Ferrite Bead	AB
SC 2401	QSOCZ0108BMZZ	S	RGB Connector	AE
SC 2402	QSOCZ0109BMZZ	S	RGB Connector	AE

MISCELLANEOUS PARTS

REF. NO	PARTS	*	DESCRIPTION	CODE
A	QACCZ2100BMSA	S	AC Cord	AR
	RRMCG1061BMSA	S	Remote Control Unit	AW
	TINS-6565BMNO	S	Instruction Manual	
	VSP1306PB067S	S	Speaker 12W 8 ohms	AR

CABINET PARTS

REF. NO	PARTS	*	DESCRIPTION	CODE
1	CCABA1221BMVO	S	Front Cabinet	
1 - 1	GDORF1045BMSC	S	Door	AF
1 - 2	HBDGB3508BMSA	S	Badge SHARP	AH
1 - 3	HDECQ0009BMSA	S	Window Power	AC
1 - 4	HDECQ0006BMSA	S	Window LED	AC
1 - 5	HINDP5076BMSA	S	Indicator	AE
1 - 6	JBTN-1029BMSC	S	Button Up/Down	AE
1 -7	JBTN-1028BMSC	S	Button Power	AC
2	CCABB1082BMVO	S	Rear Cabinet	

PRINTED WIRING BOARDS

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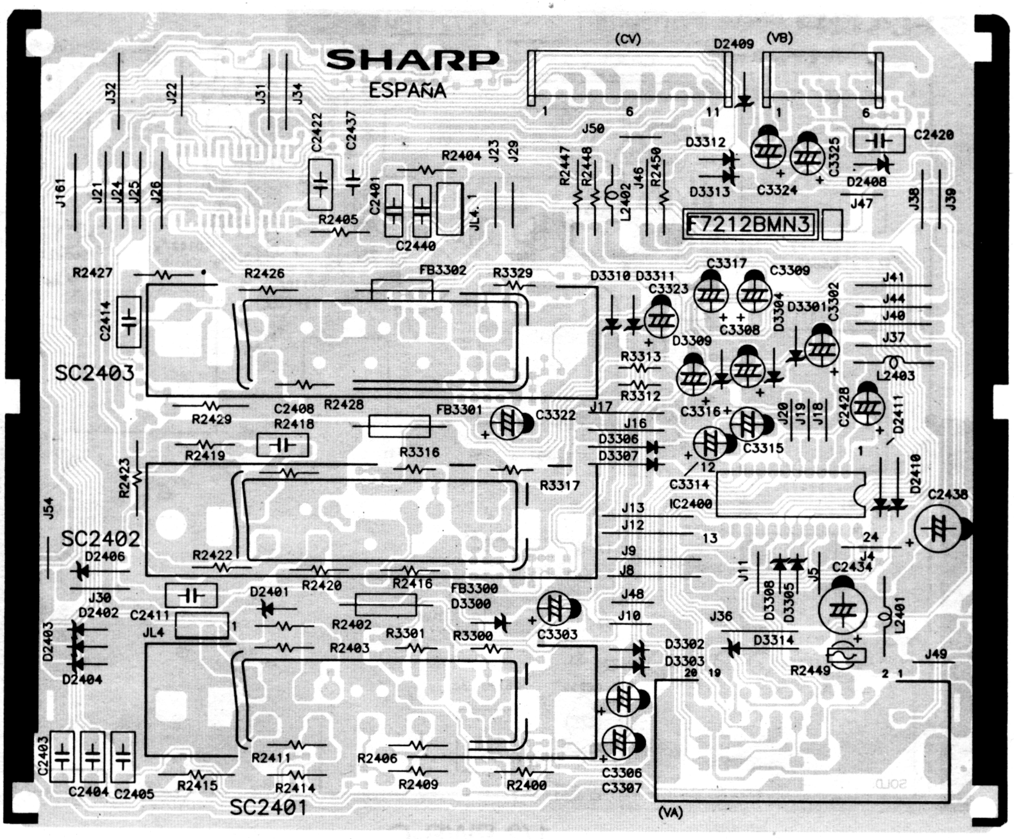
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FB3300
J49
(VA)
R2427
R2426
R3329
C2414
C2420
C3325
C3324
D3312
D3313
D2408
J47
J38
J39
J41
J44
J40
J37
L2403
C2428
D2411
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C2438
C2434
L2401
R2449
J36
D3314
D3302
D3303
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C3307
R2400
R2409
R2406
R2414
R2415
R2411
C2403
C2404
C2405
D2403
D2404
D2402
JL4
C2411
D2406
J30
J54
R2423
R2419
R2418
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R3317
C3314
J13
J12
J9
J8
J48
J10
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R3300
R3301
R2402
R2403
R2420
R2416
R2422
D2401
J161
J21
J24
J25
J26
J32
J22
J31
J34
C2422
C2437
R2404
J23
J29
R2405
C2401
C2440
JL4
J50
R2447
R2448
L2402
J46
R2450
C3317
C3309
C3323
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D3309
C3308
D3304
D3301
C3302
R3313
R3312
C3316
C3315
C3322
D3306
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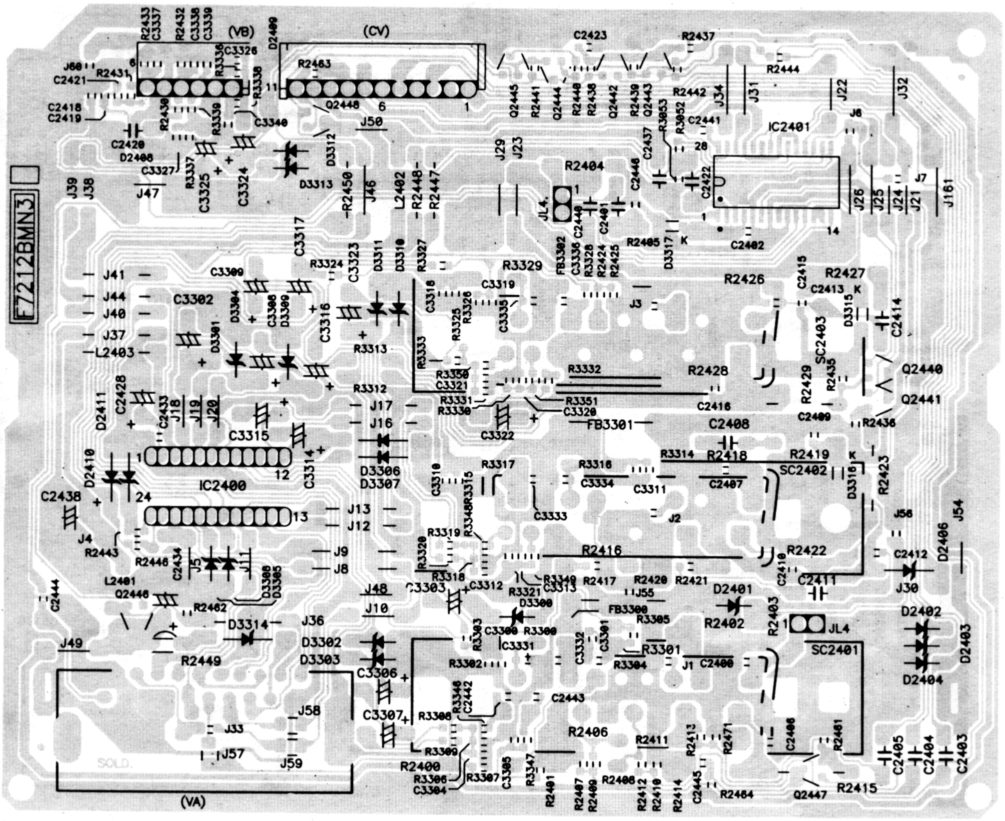
J4

1/2 PWB-D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IC2400
SC2403
SC2402
SC2401
FB3301
FB3300
(VA)
SOLD.
J49
J58
J33
J57
J59
R2449
D3314
J36
D3302
D3303
C3306
C3307
R2400
R2406
R2411
R2415
Q2447
C2405
C2404
C2403
D2404
D2402
D2403
J30
D2406
C2412
J54
R2423
R2422
R2419
R2418
C2408
C2407
R2428
R2429
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Q2441
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D3307
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R2416
R3301
D2401
R2402
R2403

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PRINTED WIRING BOARDS

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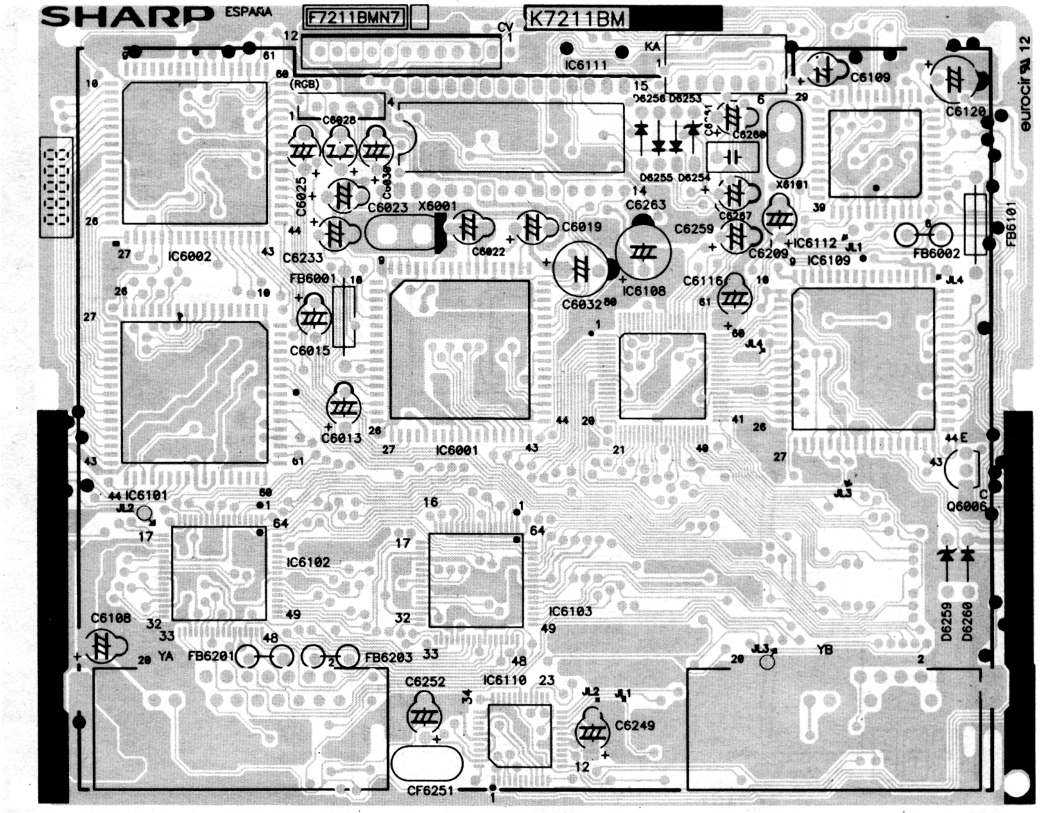
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X6001
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C6019
C6263
C6259
C6032
IC6108
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IC6112
IC6109
FB6002
FB6101
D6256
D6253
D6255
D6254
C6260
C6287
C6209
X6101
IC6002
FB6001
C6015
C6013
IC6001
IC6101
JL2
JL3
JL4
IC6102
IC6103
C6108
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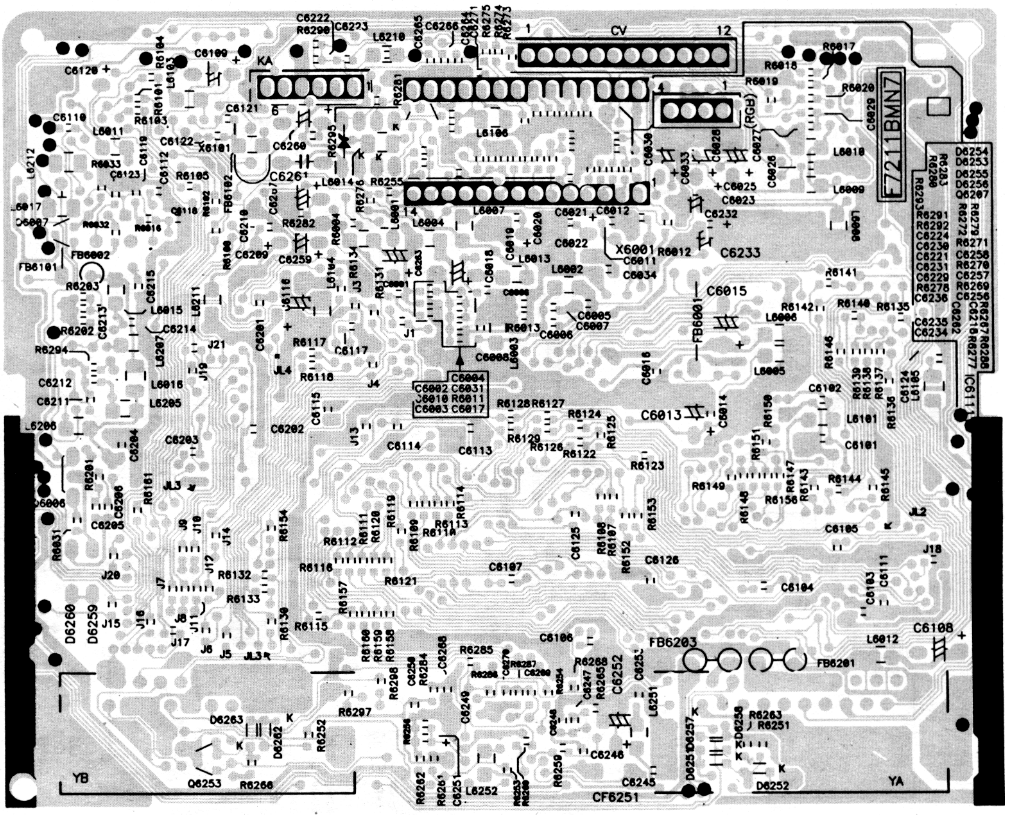
1/2 PWB-C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L6007
C6021
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X6001
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C6015
FB6001
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C6113
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C6106
C6108
FB6203
FB6201
FB6002
FB6101
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C6249
C6246
C6245
CF6251
L6252
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D6262
Q6253
D6252
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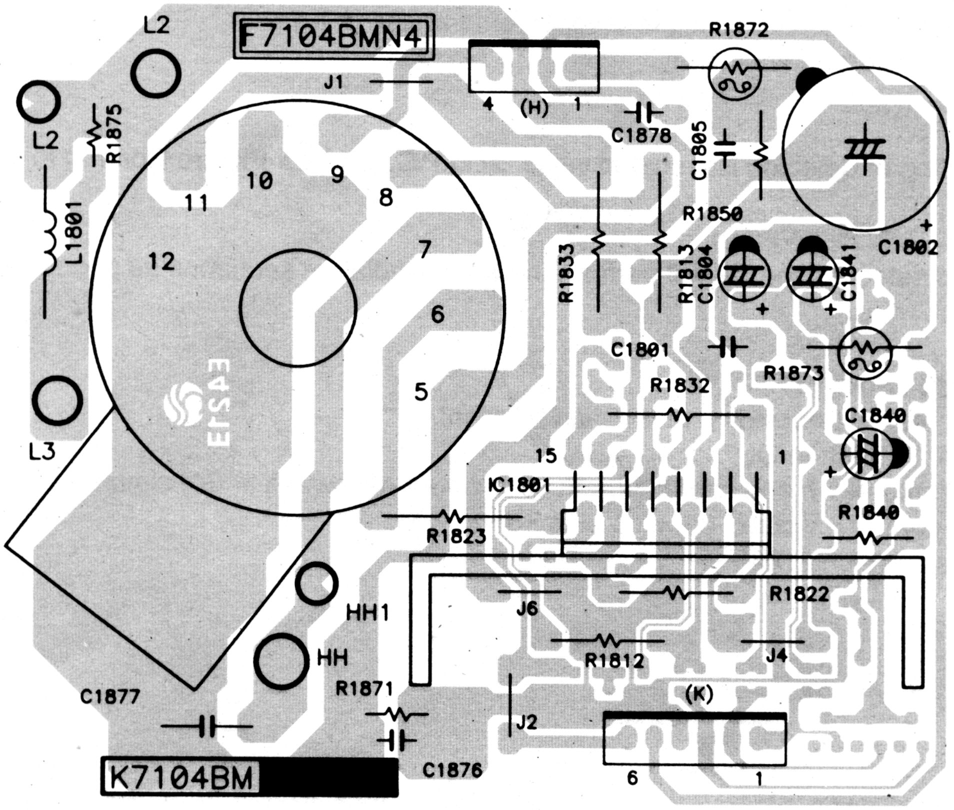
YA
JL2
JL3
JL4

1/2 PWB-C

1 2 3 4 5 6

PRINTED WIRING BOARDS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C1802
R1833
R1813
C1804
C1841
C1801
R1873
R1832
C1840
15
1
IC1801
R1823
R1840
R1822
J6
R1812
J4
HH1
HH
R1871
C1877
J2
C1876
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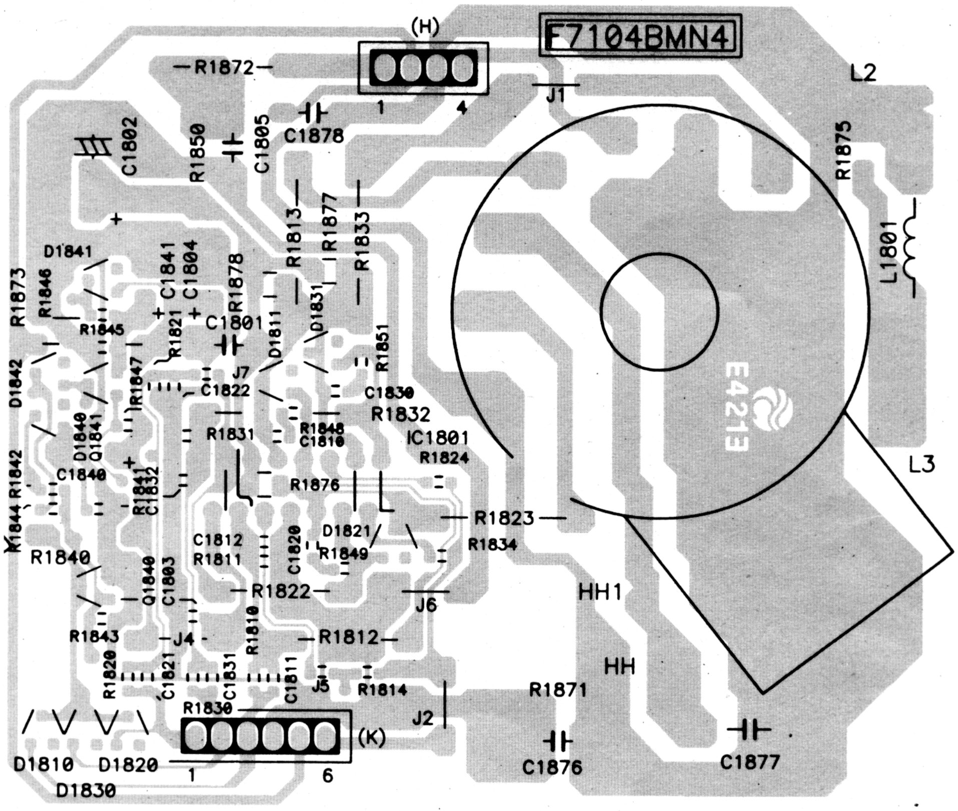
1/2 PWB-B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R1878
R1821
C1801
D1811
D1831
R1851
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Q1841
C1840
R1831
R1848
C1810
IC1801
R1824
R1842
R1841
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R1823
R1840
C1812
R1811
C1820
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R1822
J6
HH1
R1843
J4
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R1812
R1820
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C1811
J5
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HH
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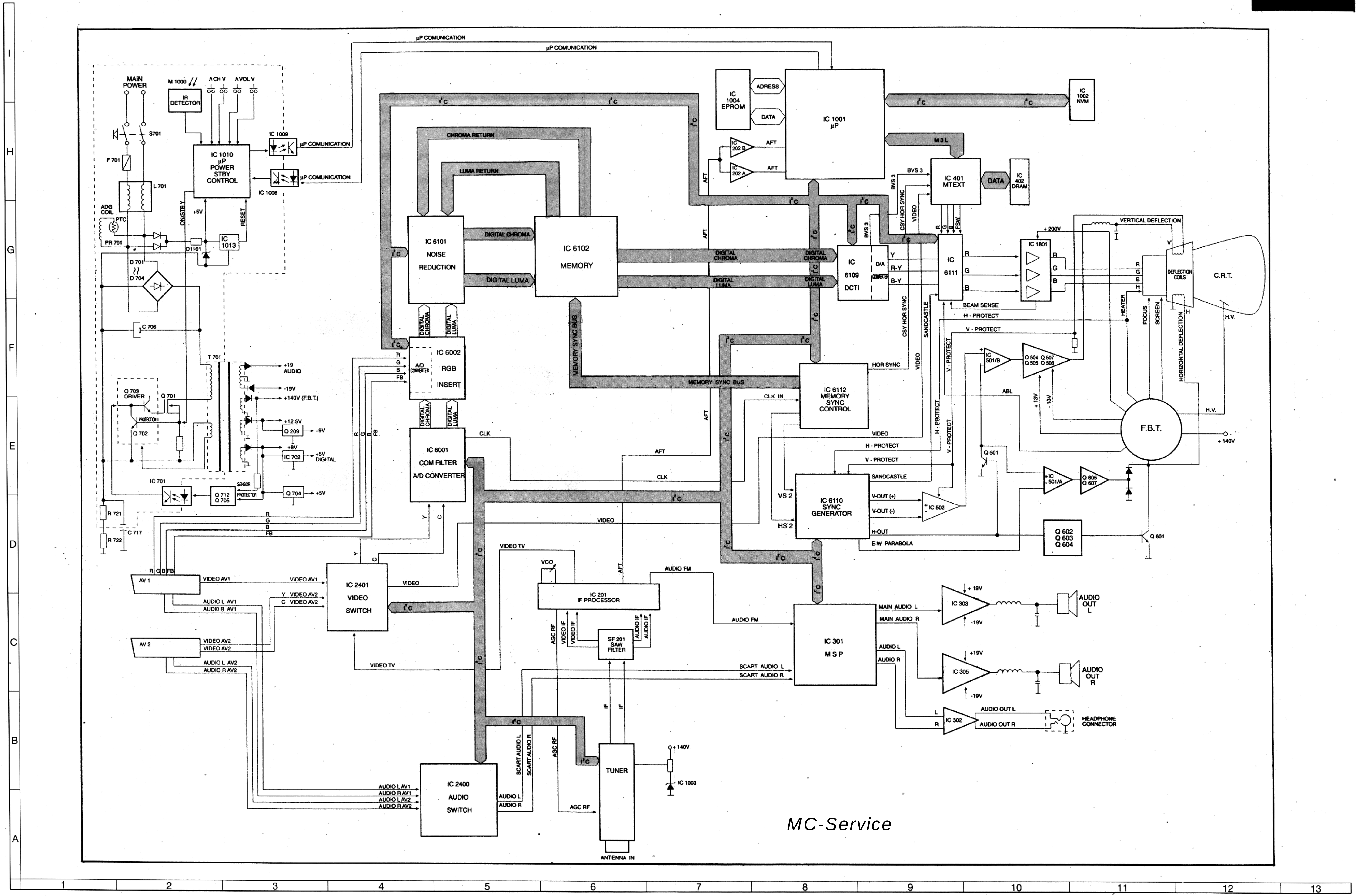
1/2 PWB-B

BLOCK DIAGRAM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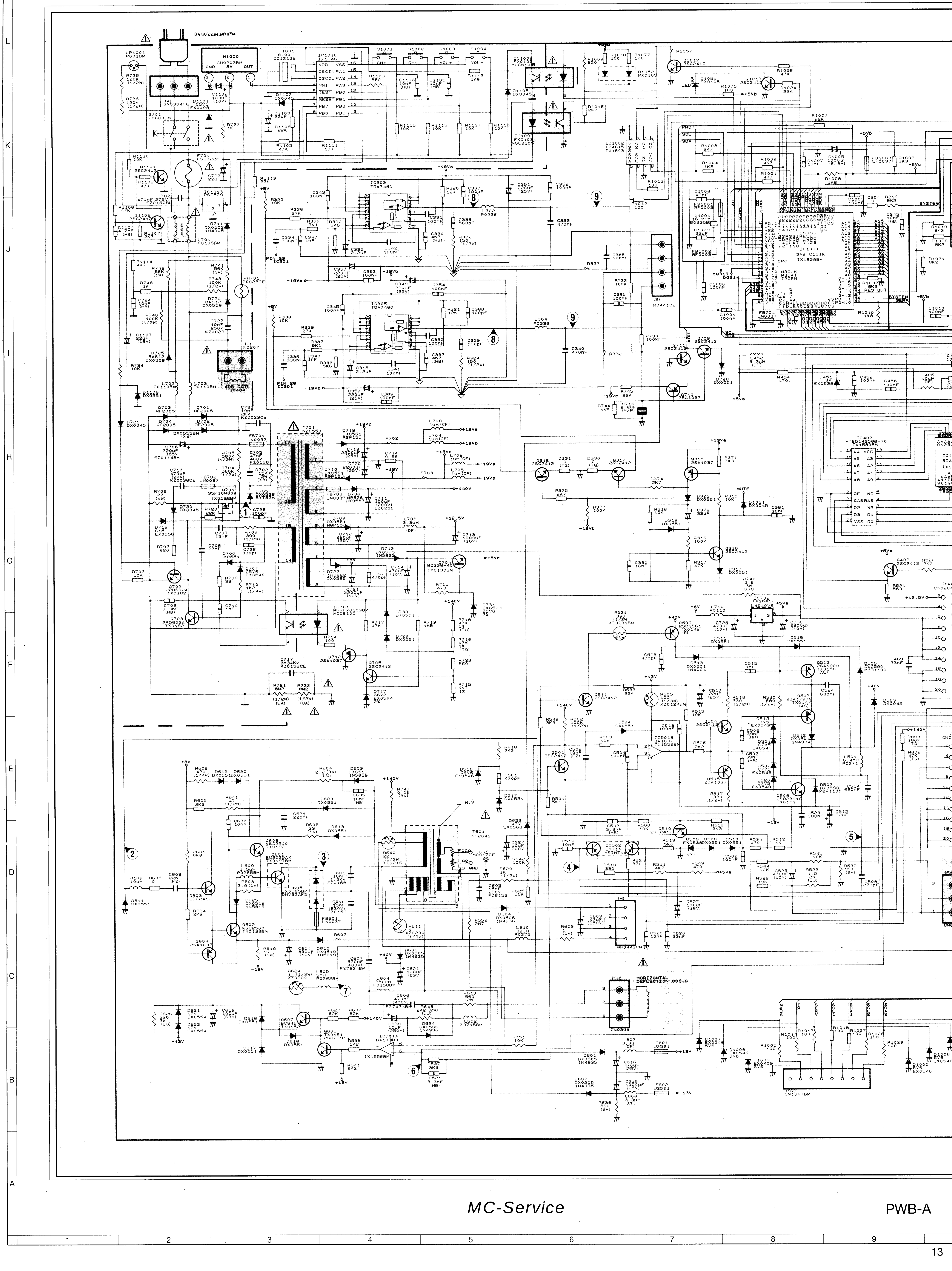
13
µP COMUNICATION
µP COMUNICATION
MAIN POWER
M 1000
IR DETECTOR
ΛCH V
ΛVOL V
S701
F 701
L 701
ADG COIL
PTC
PR 701
D1101
D 701
D 704
C 706
T 701
Q 703 DRIVER
Q 701
PROTECTION
Q 702
IC 701
Q 712
Q 705
SENSOR
PROTECTOR
Q 704
R 721
R 722
C 717
IC 1010 µP POWER STBY CONTROL
ON/STBY
+5V
RESET
IC 1013
IC 1009
IC 1008
µP COMUNICATION
µP COMUNICATION
+19 AUDIO
-19V
+140V (F.B.T.)
+12.5V
Q 209
+9V
+8V
IC 702
+5V DIGITAL
+5V
I²C
CHROMA RETURN
LUMA RETURN
IC 6101 NOISE REDUCTION
DIGITAL CHROMA
DIGITAL LUMA
IC 6102 MEMORY
MEMORY SYNC BUS
IC 6002 RGB INSERT
A/D CONVERTER
R
G
B
FB
IC 6001 COM FILTER A/D CONVERTER
CLK
AFT
CLK
VIDEO
IC 1004 EPROM
ADRESS
DATA
IC 1001 µP
IC 1002 NVM
IC 202 B
IC 202 A
AFT
M3L
IC 401 MTEXT
DATA
IC 402 DRAM
BVS 3
CSY HOR SYNC
VIDEO
R G B FSW
IC 6109 DCTI
D/A CONVERTER
Y
R-Y
B-Y
IC 6111
IC 1801
+200V
VERTICAL DEFLECTION
DEFLECTION COILS
C.R.T.
H.V.
HEATER
FOCUS
SCREEN
HORIZONTAL DEFLECTION
BEAM SENSE
H - PROTECT
V - PROTECT
SANDCASTLE
HOR SYNC
IC 501/B
Q 504 Q 507
Q 505 Q 508
ABL
+13V
-13V
F.B.T.
+140V
IC 6112 MEMORY SYNC CONTROL
CLK IN
VIDEO
H - PROTECT
V - PROTECT
SANDCASTLE
Q 501
IC 6110 SYNC GENERATOR
VS 2
HS 2
V-OUT (+)
V-OUT (-)
IC 502
H-OUT
E-W PARABOLA
IC 501/A
Q 605
Q 607
Q 602
Q 603
Q 604
Q 601
AV 1
AV 2
VIDEO AV1
AUDIO L AV1
AUDIO R AV1
Y VIDEO AV2
C VIDEO AV2
VIDEO AV2
AUDIO L AV2
AUDIO R AV2
IC 2401 VIDEO SWITCH
VIDEO TV
VCO
IC 201 IF PROCESSOR
AUDIO FM
AGC RF
VIDEO IF
AUDIO IF
SF 201 SAW FILTER
IF
IC 301 MSP
MAIN AUDIO L
MAIN AUDIO R
AUDIO L
AUDIO R
SCART AUDIO L
SCART AUDIO R
IC 303
IC 305
+19V
-19V
AUDIO OUT L
AUDIO OUT R
IC 302
AUDIO OUT L
AUDIO OUT R
HEADPHONE CONNECTOR
IC 2400 AUDIO SWITCH
AUDIO L AV1
AUDIO R AV1
AUDIO L AV2
AUDIO R AV2
TUNER
+140V
IC 1003
ANTENNA IN

MC-Service

SCHEMATIC DIAGRAM MOTHER UNIT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M1000
GND
5V
OUT
IC1010
IX1646
S1001
S1002
S1003
S1004
CH+
CH-
VOL+
VOL-
IC1008
IC1009
IC1002
IC1001
SAB C161K
IX1629BM
OPC
PROT
SCL
SDA
SYSTEM
SYSTEM SERV
RES OUT
+5Vb
+5Vc
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IC305
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-19Vb
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+140V
+12.5V
+8V
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MUTE
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IX1580BM
T601
NF2041
H.V
HORIZONTAL DEFLECTION COILS
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-13V
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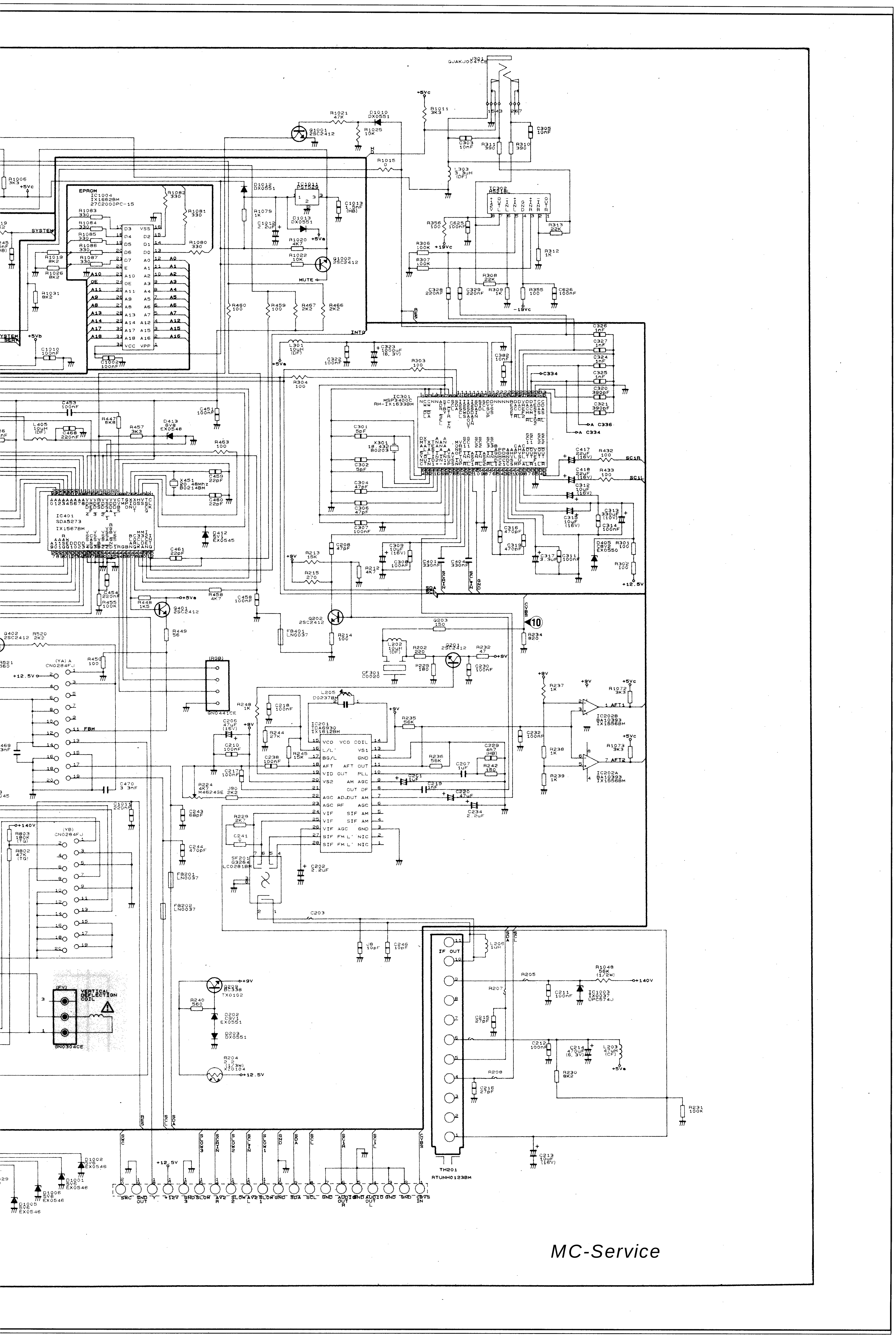
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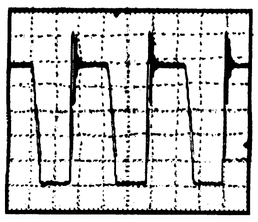
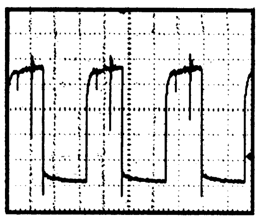
IC302
TH201 RTUNH0123BM
IF OUT
X301 18.432 B0203
X451 20.48MHz B0214BM
SF201 G3264 LC0281BM
VERTICAL DEFLECTION COIL
SYSTEM
MUTE
INTQ
SDA
SCL
+5Vc
+5Va
+5Vb
+9V
+12.5V
+140V
-19Vc
+19Vc
AFT1
AFT2
SC1R
SC1L
C334
C335
C336
SRC
GND OUT
Y
+12V
GND
BLOW
AV2 R
SLOW 2
AV2 L
SLOW 1
SDA
SCL
GND
AUDIO OUT R
GND
AUDIO OUT L
GND
GND
CVBS IN

①



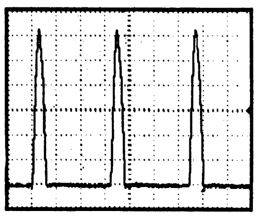
616 Vp-p 63.75KHz

②



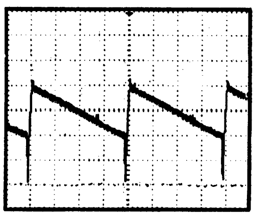
5.6 Vp-p 31.25KHz

③



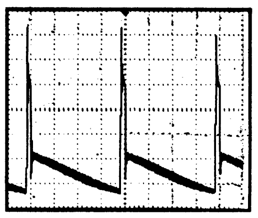
1.29 KV 31.25KHz

④



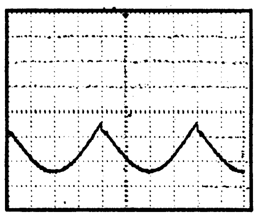
2Vp-p 100Hz

⑤



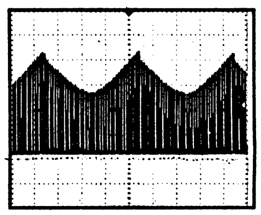
67Vp-p 100Hz

⑥



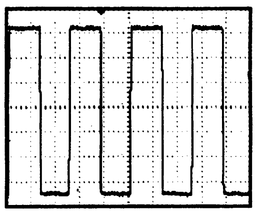
2Vp-p 100Hz

⑦



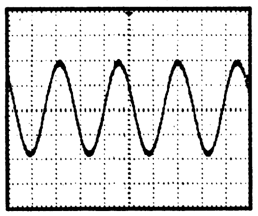
208Vp-p 100Hz

⑧



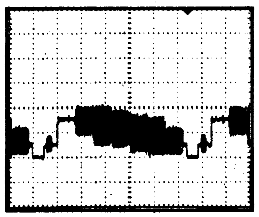
35Vp-p 160KHz

⑨



19Vp-p 400Hz (Audio Out)

⑩

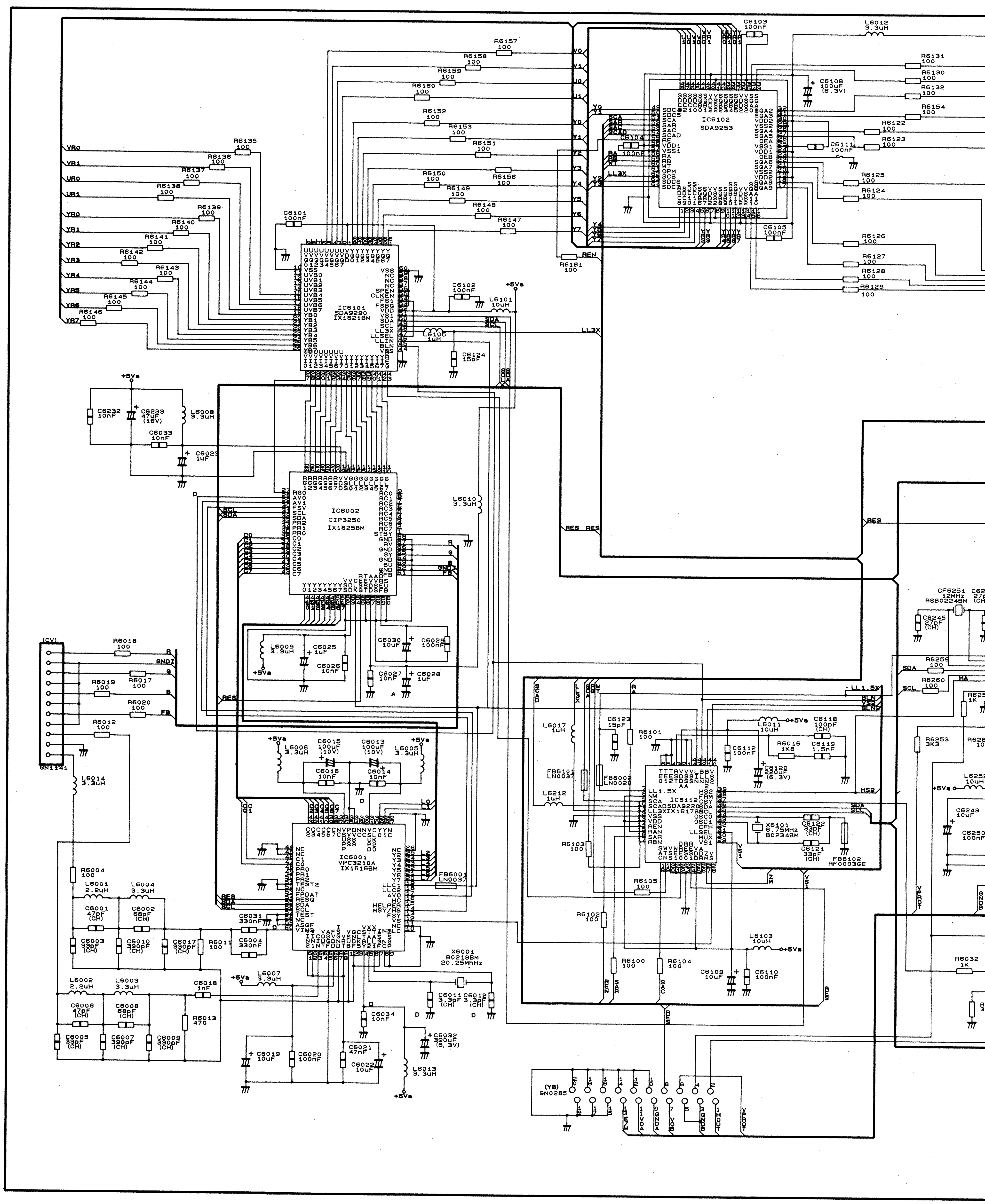


1.1Vp-p 50Hz

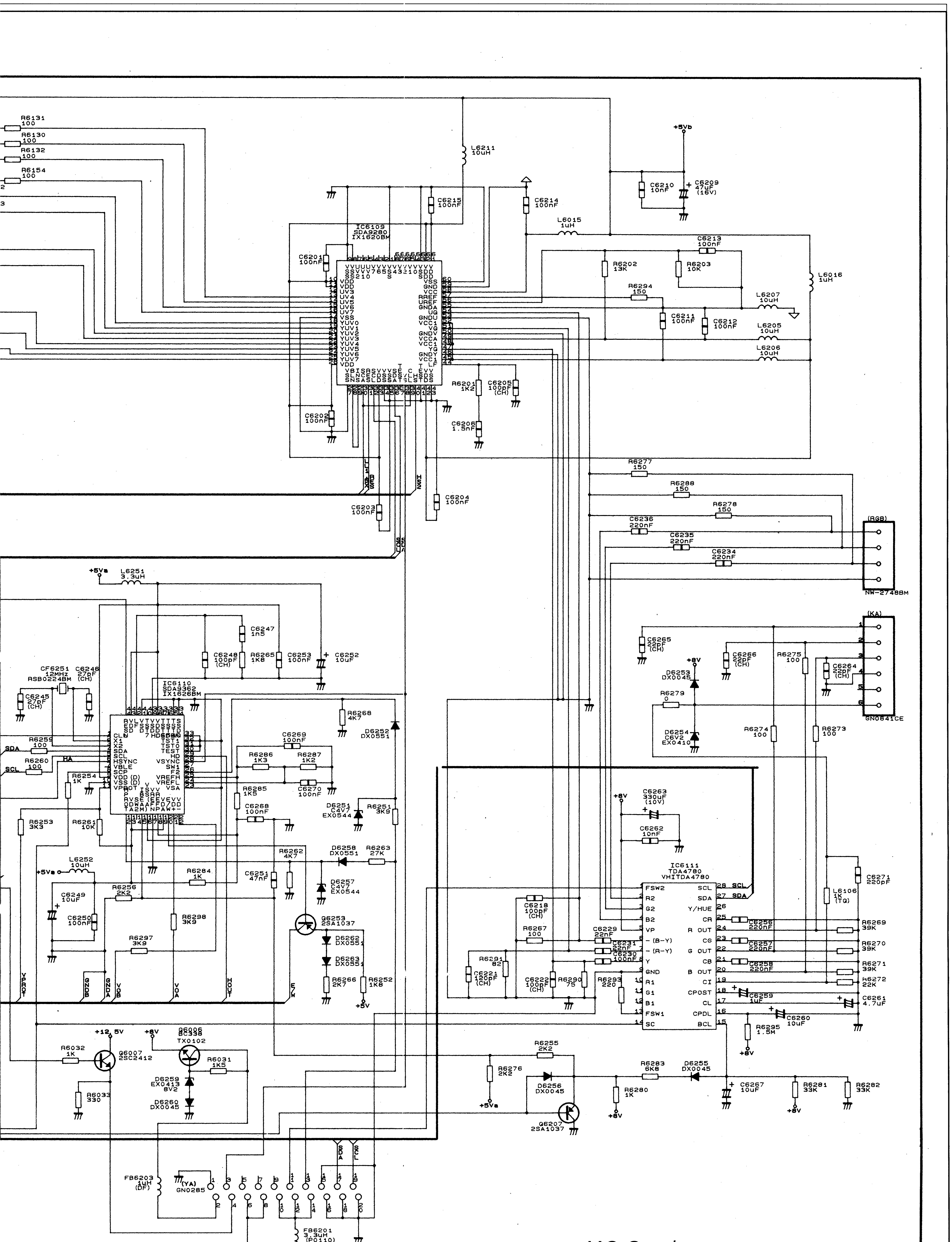
WB-A

10 11 12 13 14 15 16 17 18

SCHEMATIC DIAGRAM 100 Hz UNIT


IC6101
SDA9290
IX1621BM
IC6102
SDA9253
IC6002
CIP3250
IX1625BM
IC6001
VPC3210A
IX1616BM
IC6112
SDA9220
IX1617BM
CNS1001DRMS
X6001
B0219BM
20.25MHz
X6101
6.75MHz
B0234BM
CF6251
12MHz
RSB0224BM
FB6102
RF0003GE
FB6001
LN0037
FB6101
LN0037
FB6002
LN0020
(CV)
GN1141
(YB)
GN0285
+5Va
L6012
3.3uH
L6101
10uH
L6105
1uH
L6008
3.3uH
L6010
3.3uH
L6009
3.3uH
L6006
3.3uH
L6005
3.3uH
L6014
3.3uH
L6001
2.2uH
L6004
3.3uH
L6002
2.2uH
L6003
3.3uH
L6007
3.3uH
L6013
3.3uH
L6017
1uH
L6212
1uH
L6011
10uH
L6103
10uH
C6103
100nF
C6108
100uF
(6.3V)
C6104
100nF
C6111
100nF
C6105
100nF
C6101
100nF
C6102
100nF
C6124
15pF
C6232
10nF
C6233
47uF
(16V)
C6033
10nF
C6023
1uF
C6025
1uF
C6026
10nF
C6030
10uF
C6029
100nF
C6027
10nF
C6028
1uF
C6015
100uF
(10V)
C6013
100uF
(10V)
C6016
10nF
C6014
10nF
C6031
330nF
C6004
330nF
C6001
47pF
(CH)
C6002
68pF
(CH)
C6003
33pF
(CH)
C6010
390pF
(CH)
C6017
330pF
(CH)
C6018
1nF
C6006
47pF
(CH)
C6008
68pF
(CH)
C6005
33pF
(CH)
C6007
390pF
(CH)
C6009
330pF
(CH)
C6034
10nF
C6011
3.3pF
(CH)
C6012
3.3pF
(CH)
C6032
390uF
(6.3V)
C6019
10uF
C6020
100nF
C6021
47nF
C6022
10uF
C6123
15pF
C6112
100nF
C6118
100pF
(CH)
C6119
1.5nF
C6120
220uF
(6.3V)
C6122
33pF
(CH)
C6121
33pF
(CH)
C6109
10uF
C6110
100nF
C6245
27pF
(CH)
C6249
10uF
C6250
100nF
R6157
R6158
R6159
R6160
R6152
R6153
R6151
R6150
R6156
R6149
R6148
R6147
R6135
R6136
R6137
R6138
R6139
R6140
R6141
R6142
R6143
R6144
R6145
R6146
R6161
R6131
R6130
R6132
R6154
R6122
R6123
R6125
R6124
R6126
R6127
R6128
R6129
100
R6018
R6019
R6017
R6020
R6012
R6004
R6011
100
R6013
470
R6101
R6103
R6105
R6102
R6100
R6104
100
R6016
1K8
R6253
3K3
R6259
R6260
R6032
1K
SDA
SCL
RES
REN
LL3X
LL1.5X
HS2
VPROT
SCA
SAR
SAC
SCAD
VR0
VR1
UR0
UR1
YR0
YR1
YR2
YR3
YR4
YR5
YR6
YR7
V0
V1
U0
U1
Y0
Y1
Y2
Y3
Y4
Y5
Y6
Y7
R
G
B
GND
FB
E/W
VDA
GNDA
VDB
HOUT

PWB-C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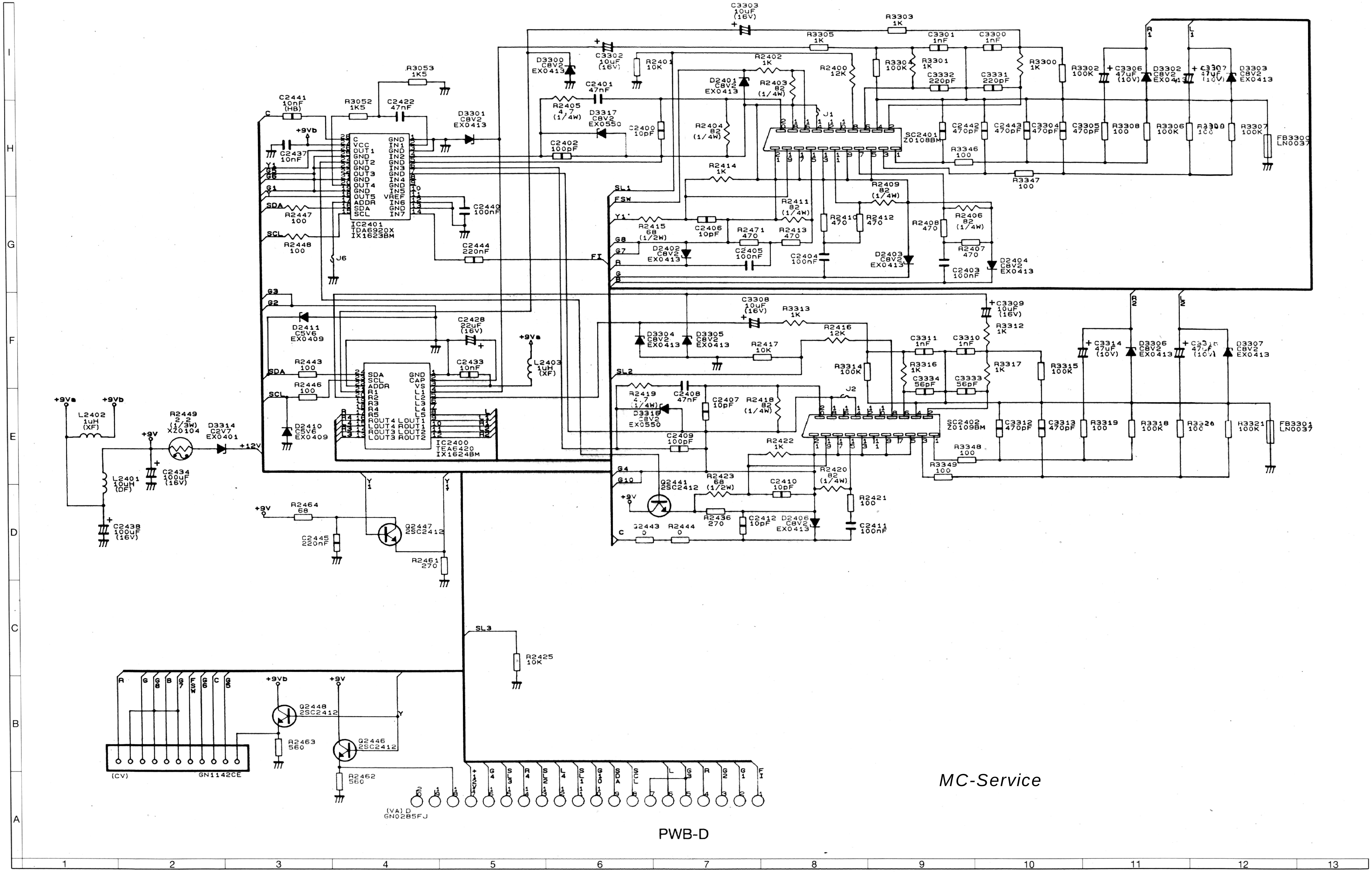
SDA9280
IX1620BM
IC6110
SDA9362
IX1626BM
IC6111
TDA4780
VHITDA4780
L6211 10uH
L6015 1uH
L6016 1uH
L6207 10uH
L6205 10uH
L6206 10uH
L6251 3.3uH
L6252 10uH
L6106 1K (TG)
+5Vb
+5Va
+8V
+12.5V
C6209 47uF (16V)
C6210 10nF
C6213 100nF
C6214 100nF
C6215 100nF
C6201 100nF
C6202 100nF
C6203 100nF
C6204 100nF
C6205 100pF (CH)
C6206 1.5nF
C6211 100nF
C6212 100nF
C6236 220nF
C6235 220nF
C6234 220nF
R6202 13K
R6203 10K
R6294 150
R6201 1K2
R6277 150
R6288 150
R6278 150
R6131 100
R6130 100
R6132 100
R6154 100
(RGB)
NW-2748BM
(KA)
GN0841CE
C6265 22pF (CH)
C6266 22pF (CH)
C6264 22pF (CH)
R6275 100
R6274 100
R6273 100
R6279 0
D6253 DX0045
D6254 C6V2 EX0410
CF6251 12MHz RSB0224BM
C6246 27pF (CH)
C6245 27pF (CH)
C6247 1n5
C6248 100pF (CH)
R6265 1K8
C6253 100nF
C6252 10uF
R6268 4K7
D6252 DX0551
C6269 100nF
R6286 1K3
R6287 1K2
C6270 100nF
R6285 1K5
C6268 100nF
D6251 C4V7 EX0544
R6251 3K9
R6259 100
R6260 100
SDA
SCL
HA
R6254 1K
R6253 3K3
R6261 10K
R6262 4K7
D6258 DX0551
R6263 27K
R6284 1K
C6251 47nF
D6257 C4V7 EX0544
Q6253 2SA1037
D6262 DX0551
D6263 DX0551
R6266 2K7
R6252 1K8
C6249 10uF
C6250 100nF
R6256 2K2
R6298 3K9
R6297 3K9
VPROT
GNDB
GNDA
VDDB
VDA
HOUT
SW
C6263 330uF (10V)
C6262 10nF
C6218 100pF (CH)
R6267 100
C6229 22nF
C6231 22nF
C6230 100nF
R6291 82
C6221 120pF (CH)
C6222 100pF (CH)
R6290 75
R6293 220
C6255 220nF
C6257 220nF
C6258 220nF
C6259 1uF
C6260 10uF
R6295 1.5M
R6269 39K
R6270 39K
R6271 39K
R6272 22K
C6261 4.7uF
C6271 220pF
FSW2
R2
G2
B2
VP
-(B-Y)
-(R-Y)
Y
GND
R1
G1
B1
FSW1
SC
SCL
SDA
Y/HUE
CR
R OUT
CG
G OUT
CB
B OUT
CI
CPOST
CL
CPDL
BCL
R6032 1K
Q6007 2SC2412
R6033 330
Q6006 BC338 TX0102
R6031 1K5
D6259 EX0413 8V2
D6260 DX0045
R6255 2K2
R6276 2K2
D6256 DX0045
Q6207 2SA1037
R6283 6K8
D6255 DX0045
R6280 1K
C6267 10uF
R6281 33K
R6282 33K
FB6203 1uH (DF)
(YA) GN0285
FB6201 3.3uH (P0110)

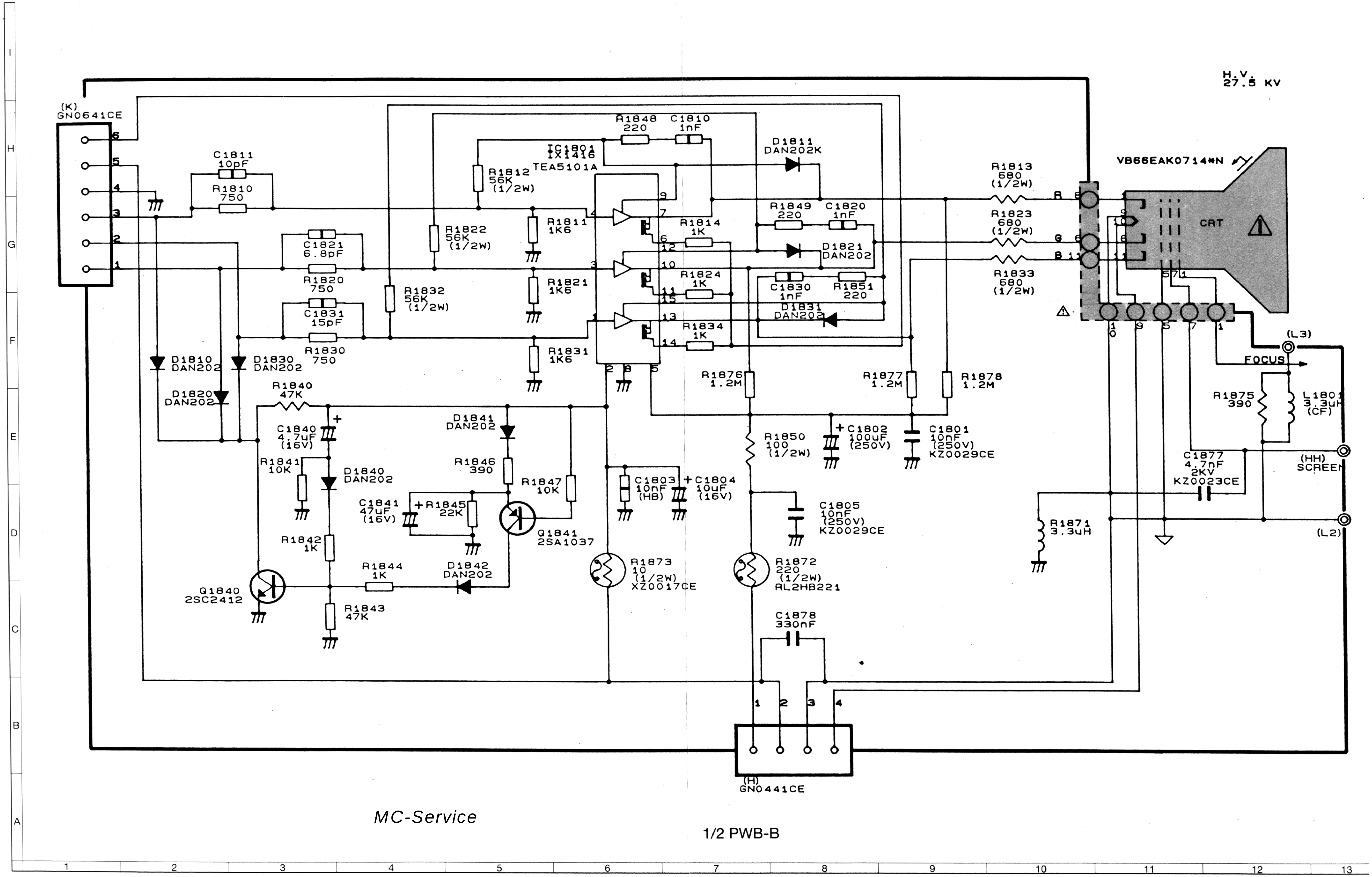
PWB-C

9 10 11 12 13 14 15 16 17 18

SCHEMATIC DIAGRAM A/V UNIT


I
H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
11
12
13
C3303 10uF (16V)
R3303 1K
R3305 1K
C3301 1nF
C3300 1nF
D3300 C8V2 EX0413
C3302 10uF (16V)
R2401 10K
R2402 1K
R2400 12K
R3304 100K
R3301 1K
C3332 220pF
C3331 220pF
R3300 1K
R3302 100K
C3306 47uF (10V)
D3302 C8V2 EX0413
C3307 47uF (10V)
D3303 C8V2 EX0413
R3053 1K5
C2441 10nF (HB)
R3052 1K5
C2422 47nF
D3301 C8V2 EX0413
C2401 47nF
R2405 4.7 (1/4W)
D3317 C8V2 EX0550
D2401 C8V2 EX0413
R2403 82 (1/4W)
J1
C2400 10pF
R2404 82 (1/4W)
SC2401 Z0108BM
C2442 470pF
C2443 470pF
C3304 470pF
C3305 470pF
R3308 100
R3306 100K
R3308 100
R3307 100K
FB3300 LN0037
C2437 10nF
+9Vb
IC2401 TDA6920X IX1623BM
C2402 100pF
R3346 100
R3347 100
R2414 1K
R2409 82 (1/4W)
R2411 82 (1/4W)
C2440 100nF
R2447 100
R2448 100
J6
SL1
FSW
Y1
G8
G7
R
G
B
R2415 68 (1/2W)
C2406 10pF
R2471 470
R2413 470
R2410 470
R2412 470
R2408 470
R2406 82 (1/4W)
R2407 470
D2402 C8V2 EX0413
C2405 100nF
C2404 100nF
D2403 C8V2 EX0413
C2403 100nF
D2404 C8V2 EX0413
C2444 220nF
FI
G3
G2
D2411 C5V6 EX0409
C2428 22uF (16V)
+9Va
L2403 1uH (XF)
C2433 10nF
R2443 100
R2446 100
SDA
SCL
IC2400 TEA6420 IX1624BM
D2410 C5V6 EX0409
C3308 10uF (16V)
R3313 1K
C3309 10uF (16V)
R3312 1K
D3304 C8V2 EX0413
D3305 C8V2 EX0413
R2416 12K
R2417 10K
C3311 1nF
C3310 1nF
R3314 100K
R3316 1K
C3334 56pF
C3333 56pF
R3317 1K
R3315 100K
C3314 47uF (10V)
D3306 C8V2 EX0413
C3315 47uF (10V)
D3307 C8V2 EX0413
R2
L2
R1
L1
SL2
R2419 4.7 (1/4W)
C2408 47nF
C2407 10pF
R2418 82 (1/4W)
D3316 C8V2 EX0550
J2
SC2402 Z0109BM
C3312 470pF
C3313 470pF
R3319 100
R3318 100K
R3320 100
R3321 100K
FB3301 LN0037
C2409 100pF
R2422 1K
R3348 100
R3349 100
G4
G10
Q2441 2SC2412
R2423 68 (1/2W)
R2420 82 (1/4W)
C2410 10pF
R2421 100
R2436 270
C2412 10pF
D2406 C8V2 EX0413
C2411 100nF
R2443 0
R2444 0
+9V
+9Va
+9Vb
L2402 1uH (XF)
R2449 2.2 (1/3W) XZ0104
D3314 C2V7 EX0401
+12V
L2401 10uH (DF)
C2434 100uF (16V)
C2438 100uF (16V)
R2464 68
Q2447 2SC2412
C2445 220nF
R2461 270
SL3
R2425 10K
Q2448 2SC2412
R2463 560
Q2446 2SC2412
R2462 560
(CV)
GN1142CE
(VA) D
GN0285FJ
MC-Service
PWB-D

SCHEMATIC DIAGRAM SOCKET UNIT



(K)
GN0641CE
C1811 10pF
R1810 750
C1821 6.8pF
R1820 750
C1831 15pF
R1830 750
D1810 DAN202
D1830 DAN202
D1820 DAN202
R1840 47K
C1840 4.7uF (16V)
R1841 10K
D1840 DAN202
R1842 1K
R1843 47K
R1844 1K
Q1840 2SC2412
C1841 47uF (16V)
R1845 22K
D1841 DAN202
R1846 390
D1842 DAN202
Q1841 2SA1037
R1847 10K
R1832 56K (1/2W)
R1822 56K (1/2W)
R1812 56K (1/2W)
IC1801 IX1416 TEA5101A
R1811 1K6
R1821 1K6
R1831 1K6
R1848 220
C1810 1nF
D1811 DAN202K
R1814 1K
R1824 1K
R1834 1K
R1849 220
C1820 1nF
D1821 DAN202
C1830 1nF
R1851 220
D1831 DAN202
R1876 1.2M
R1877 1.2M
R1878 1.2M
C1803 10nF (HB)
C1804 10uF (16V)
R1850 100 (1/2W)
C1802 100uF (250V)
C1801 10nF (250V) KZ0029CE
C1805 10nF (250V) KZ0029CE
R1873 10 (1/2W) XZ0017CE
R1872 220 (1/2W) RL2HB221
C1878 330nF
(H)
GN0441CE
R1813 680 (1/2W)
R1823 680 (1/2W)
R1833 680 (1/2W)
R
G
B
VB66EAK0714NN
CRT
H.V. 27.5 KV
(L3)
FOCUS
R1875 390
L1801 3.3uH (CF)
C1877 4.7nF 2KV KZ0023CE
(HH) SCREEN
R1871 3.3uH
(L2)
MC-Service
1/2 PWB-B
I
H
G
F
E
D
C
B
A
1
2
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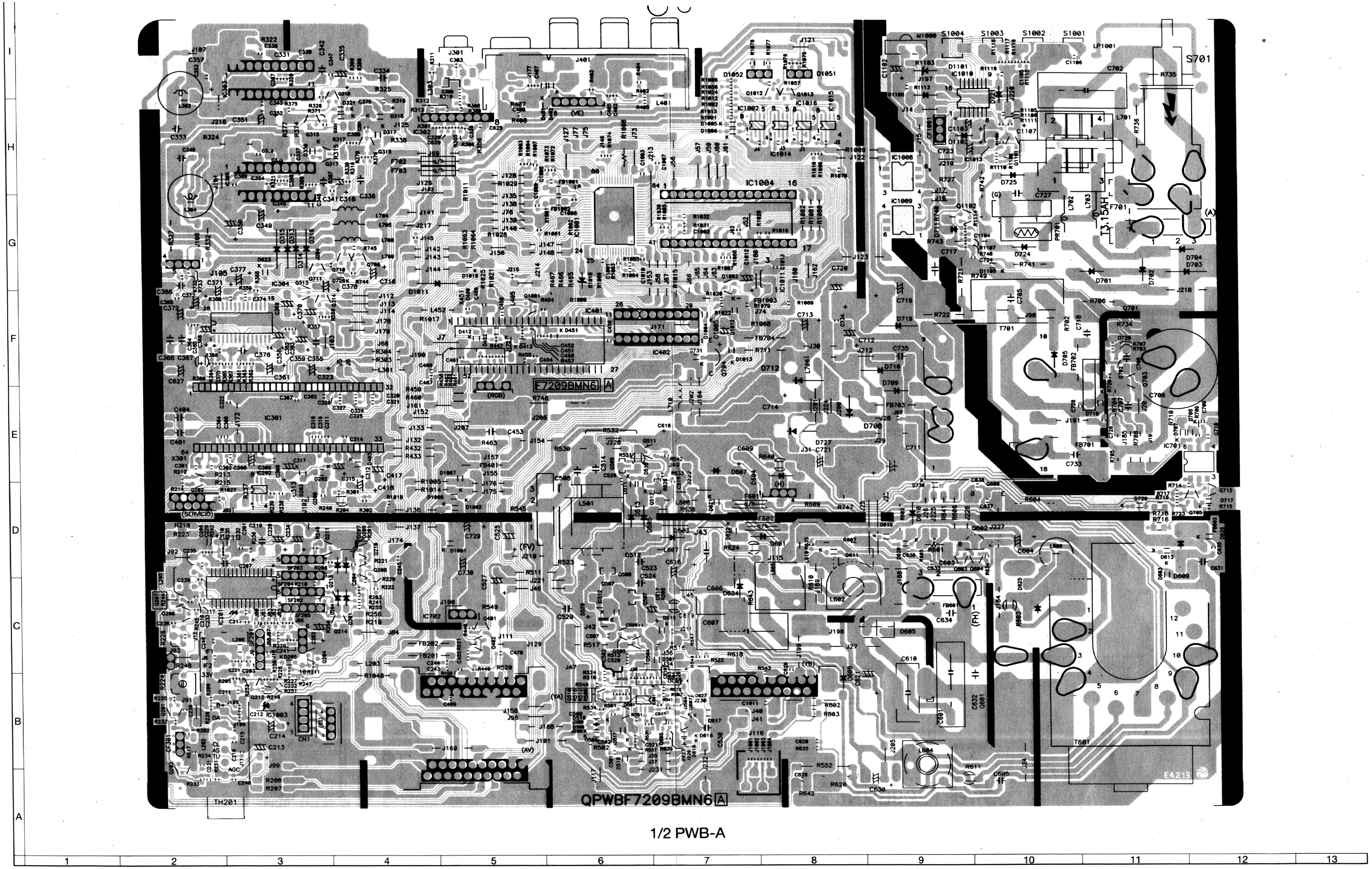
12
13

PRINTED WIRING BOARDS


QPWBF7209BMN6 A
F7209BMN6 A
S701
S1001
S1002
S1003
S1004
T601
T701
IC301
IC401
IC402
IC1004
IC1008
IC1009
IC702
IC1003
J401
J301
LP1001
F701
T3.15AH
(SERVICIO)
(RGB)
(AV)
(VE)
(FV)
(FH)
(VB)
(YA)
CN1
TH201
E4213
A
B
C
D
E
F
G
H
I
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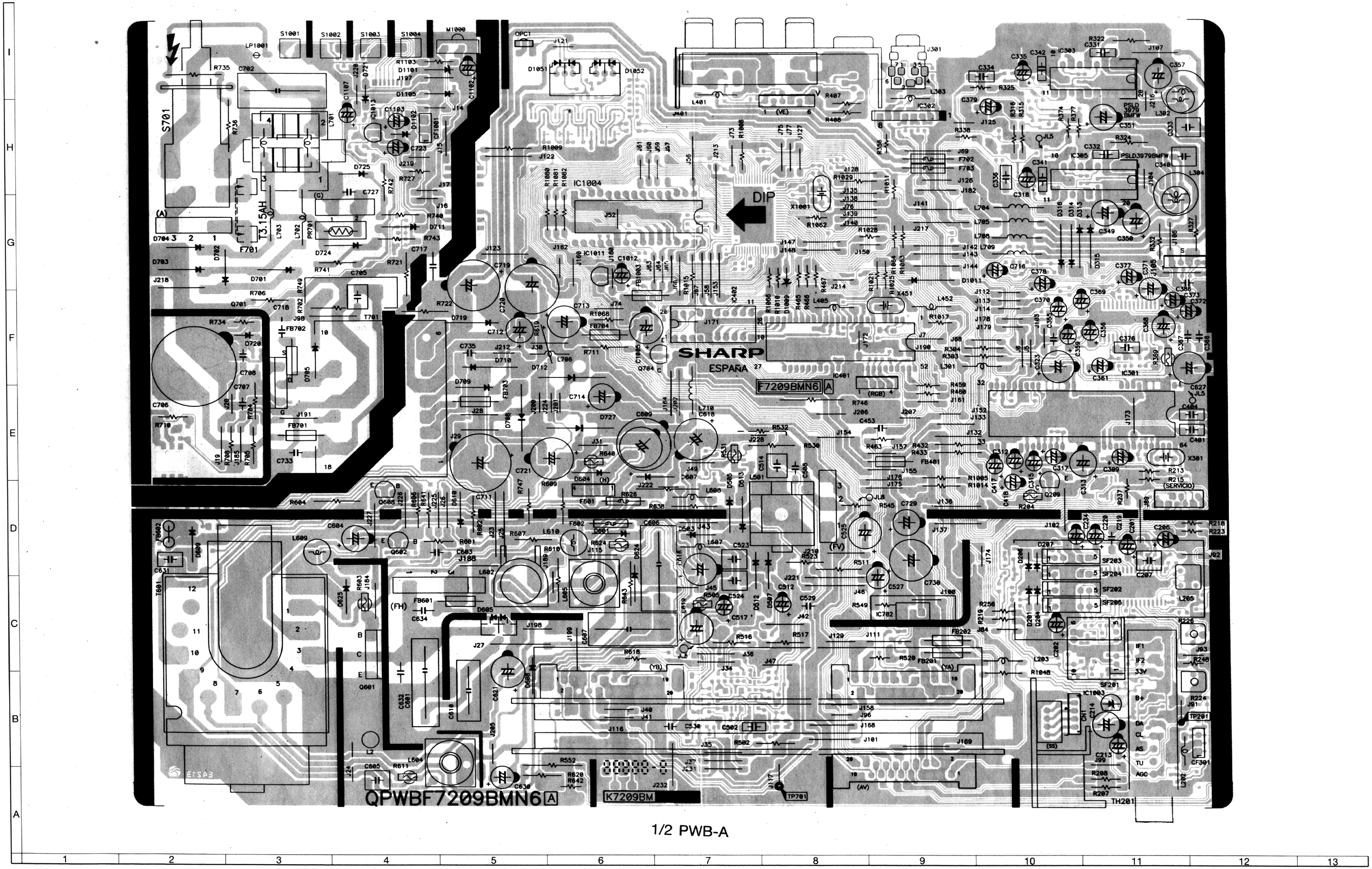
12
13

1/2 PWB-A

PRINTED WIRING BOARDS


I
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G
F
E
D
C
B
A
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2
3
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5
6
7
8
9
10
11
12
13
S1001
S1002
S1003
S1004
M1000
OPC1
J301
LP1001
S701
T3.15AH
F701
IC1004
IC1011
IC401
IC301
IC302
IC303
IC305
IC702
IC1003
X1001
X451
X301
DIP
SHARP
ESPAÑA
F7209BMN6 A
(RGB)
(VE)
(FV)
(FH)
(YB)
(YA)
(AV)
(SS)
(SERVICIO)
PSLD3979BMFW
T601
Q601
Q602
Q606
Q701
Q704
Q209
TP701
TP201
TH201
CF301
IF1
IF2
33V
B+
DA
CL
AS
TU
AGC
QPWBF7209BMN6 A
K7209BM

1/2 PWB-A